

Department SERH

1986-04-14

REPORT 86.47 (APS 1) Pr.nr. 505.0720

Subject: Atlas of FTIR spectra of
anabolics and related compounds,
4000-400 cm^{-1} .

Verzendlijst: directeur, directie VKA, sektorhoofd PK, sektorhoofd PV,
Coörd. Vee en Vlees, afd. SERH (3x), projektleider, pro-
jektbeheer, bibliotheek (1x), afd. OCON, CL-RVV, circu-
latie.

STATE INSTITUTE FOR QUALITY CONTROL OF AGRICULTURAL PRODUCTS (RIKILT)
Wageningen, The Netherlands

Department of Spectroscopy/Electrochemistry/Radio activity and Hormones

1986-04-14

REPORT 86.47 (APS 1)

Pr.nr. 505.0720

Project: Development of spectroscopic methods of analysis.

Subject: Atlas of FTIR spectra of anabolics and related compounds,
4000-400 cm^{-1} .
(APS series, part 1)

Summary:

FTIR spectra of 49 anabolics or related compounds in the region
4000-400 cm^{-1} are presented.

For each compound the following characteristics are given:

- Absorption spectrum
- Transmission spectrum
- Peak table file
- Infofile with relevant data
- Structural formule.

Responsible : Dr W.G. de Ruig

Collaborators: Dr W.G. de Ruig and J.M. Weseman

Projectleader: J.M. Weseman

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Introduction

Infrared spectra of 49 anabolics or related compounds were recorded.

The recording conditions were as follows:

IR apparatus: Bruker IFS-85 Fourier transform infrared spectrometer.

Sampling technique: KBr pellet, diameter 13 or 15 mm.

1 mg sample was ground with 100 mg KBr (spectroscopic quality, Merck Art. 4907).

The recording parameters were as follows:

Resolution: 2

Number of scans: 32

Apodization function: TR

Reference: air

Laser wavenumber: 15800

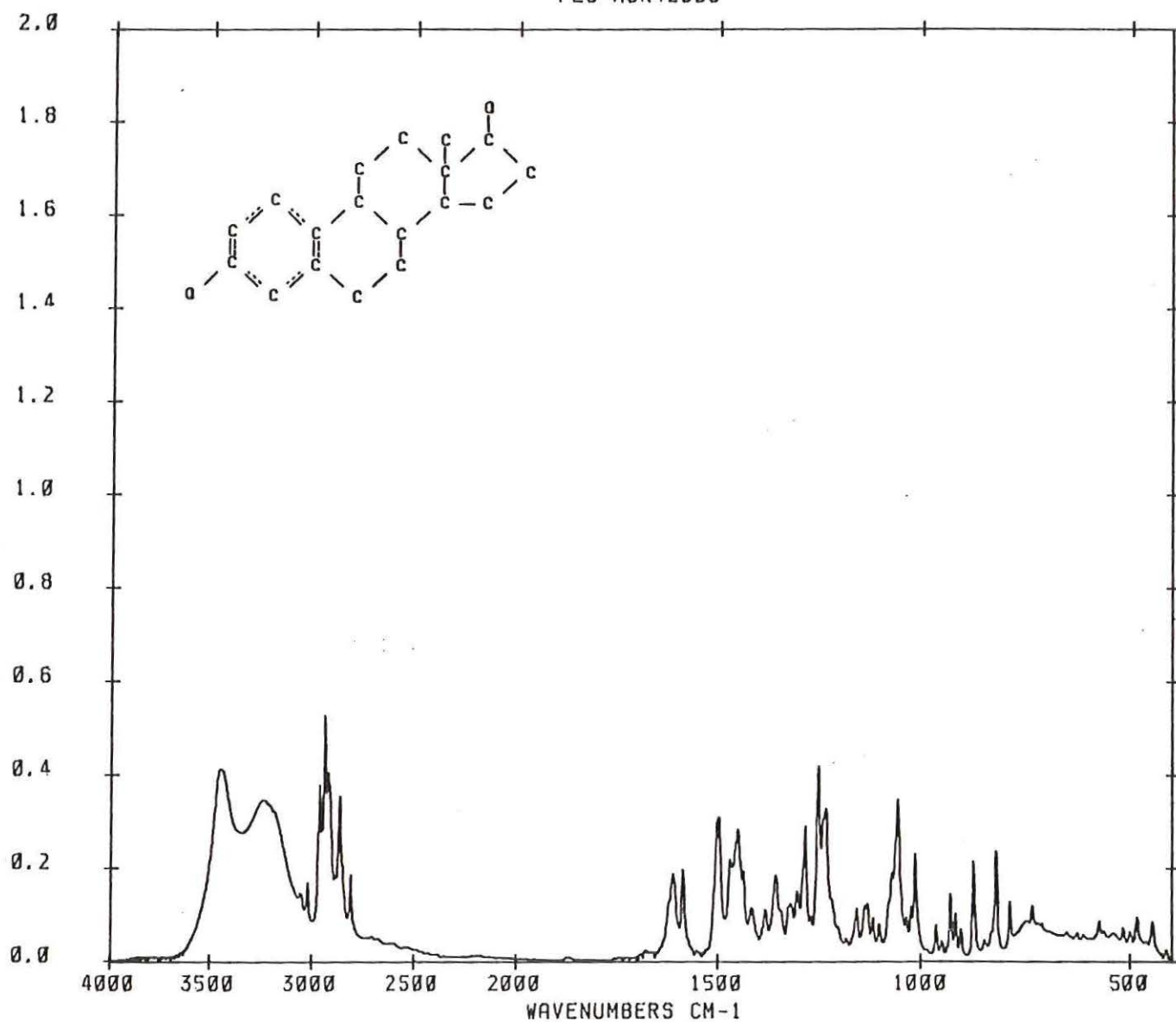
Laser frequency multiplication: 1.

For intercomparison the absorption spectra are plotted in a fixed scale, with absorbance of 0 to 2. In the few cases, where the maximum absorbance was higher, the scale is enhanced to 3.5 or 4.

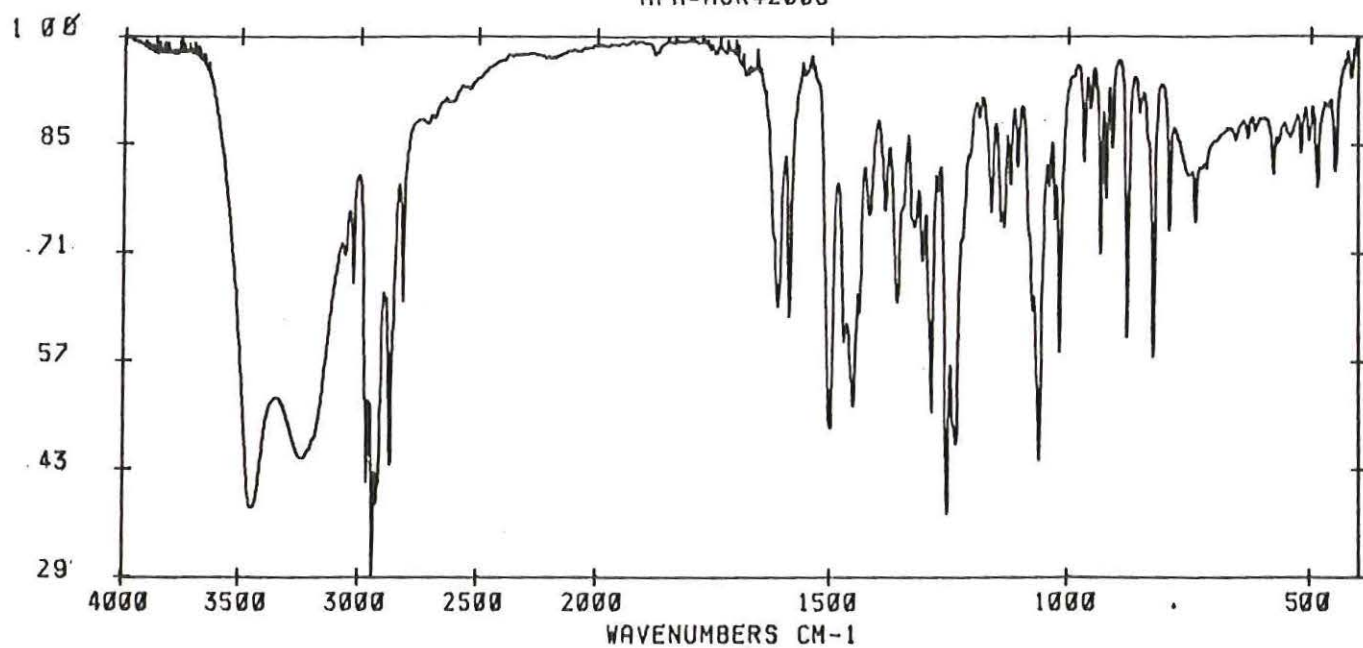
The transmission spectra are plotted with automatic scale expansion. The transmittance is presented in %/100.

The absorption spectra in the region $1800-500\text{ cm}^{-1}$ with automatic scale expansion are presented in RIKILT Report 86.49 on a larger scale and with peak labelling.

FLS=HOR42006



AFA=HOR42006



COMPOUND NAME: 17 ALPHA-ESTRADIOL
 SYSTEMATIC NAME: ESTRA-1,3,5(10)-TRIENE-3,17 DIOL (17 ALPHA)
 CA NAME: ESTRA-1,3,5(10)-TRIENE-3,17 DIOL (17 ALPHA)
 CAS NUMBER: 57-91-0
 MERCK INDEX NO (10 ED): 3649
 STERALDIDS NUMBER: E 870
 MOLECULAR FORMULE: C18H24O2
 MOLECULAR WEIGHT: 272.4
 MELTING POINT: 220-223
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-8750
 CHARGE NUMBER: 92F-4019
 FLS: HOR42007

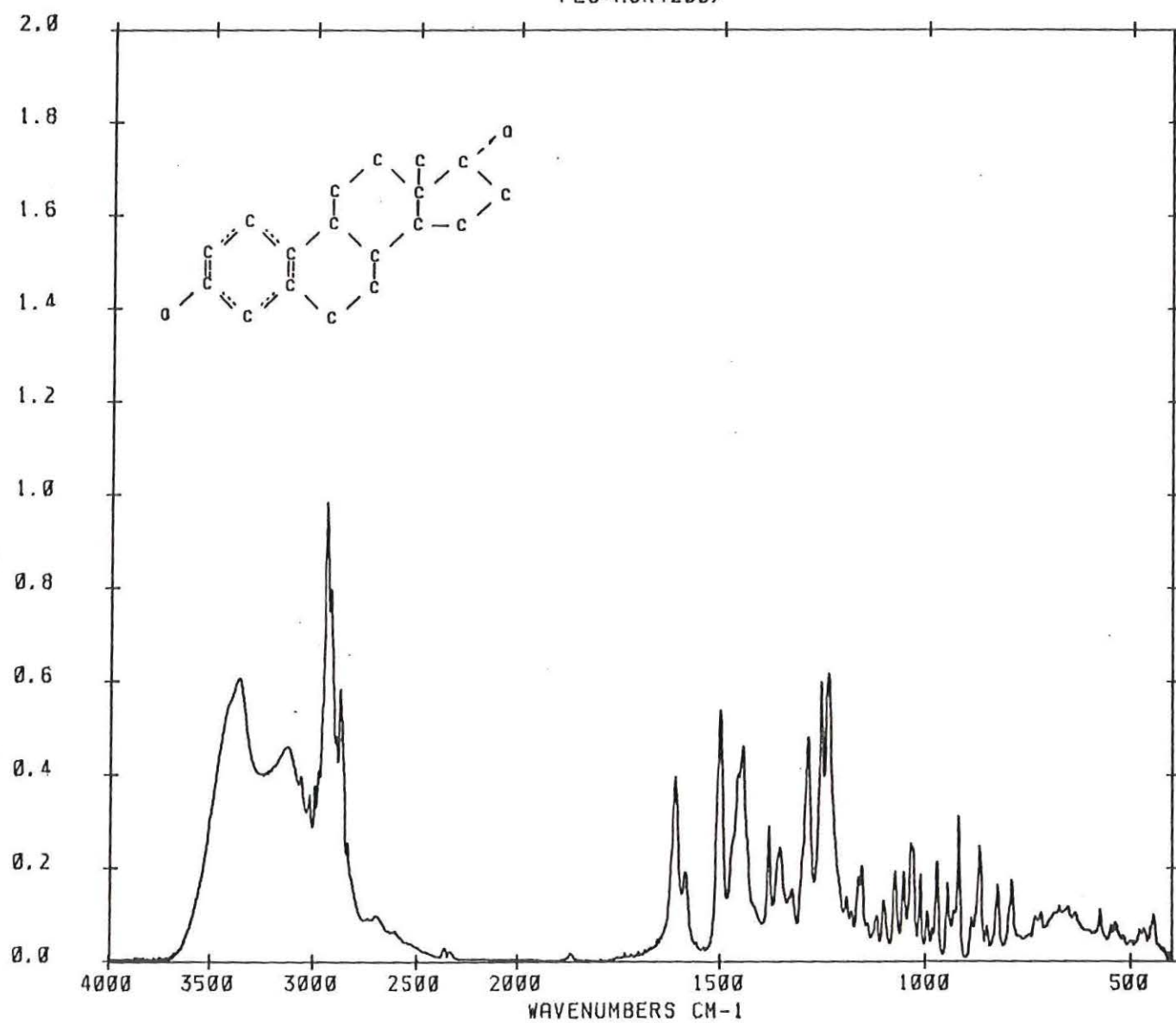
PEAK TABLE FILE : HOR42007

49 PEAKS.

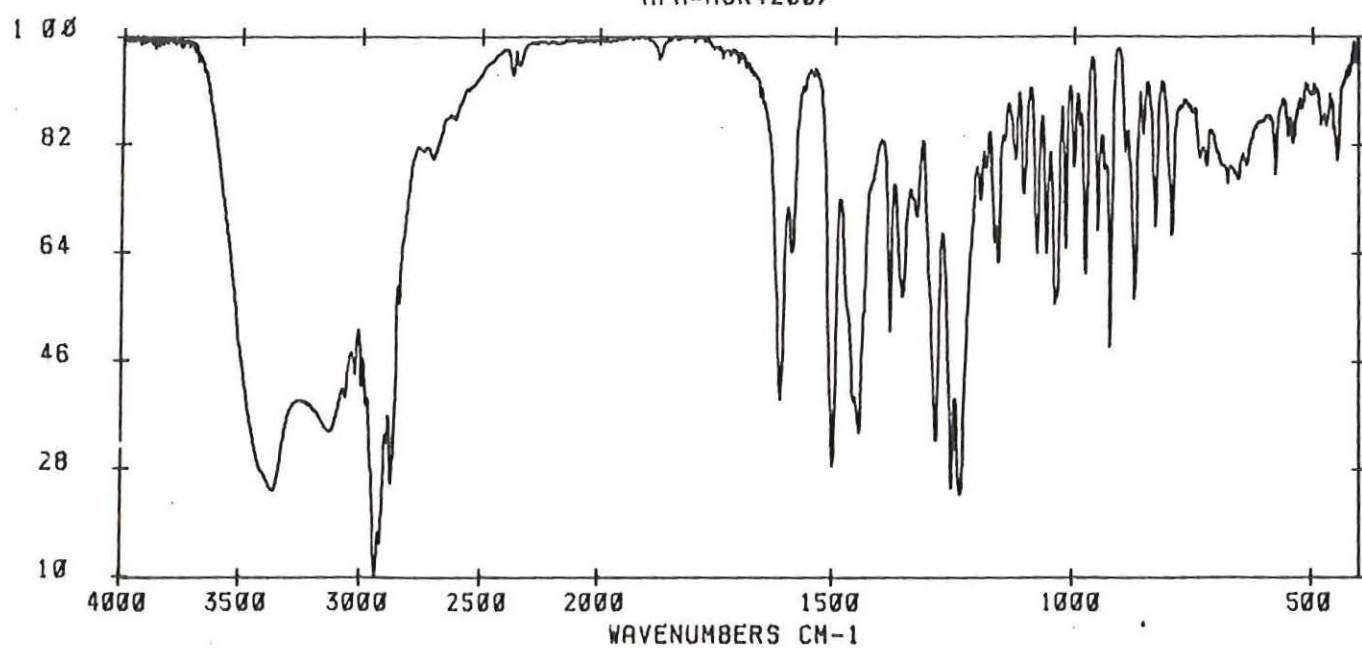
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	444.568	10.10	17
2	467.712	7.3	39
3	536.182	8.49	21
4	546.790	7.95	9
5	572.827	11.28	10
6	647.083	11.84	77
7	668.298	12.19	71
8	712.659	10.58	38
9	786.914	17.55	14
10	820.667	16.64	11
11	847.668	7.70	12
12	865.991	25.13	12
13	886.243	9.38	8
14	919.031	31.76	6
15	945.068	17.9	9
16	970.142	21.78	9
17	994.250	10.68	8
18	1012.573	18.90	8
19	1035.718	25.69	16
20	1054.041	19.53	11
21	1074.292	19.58	11
22	1101.294	13.23	14
23	1118.652	9.93	14
24	1154.333	20.67	10
25	1163.013	18.41	12
26	1179.407	10.75	14
27	1191.943	13.85	17
28	1234.375	62.67	22
29	1252.698	60.90	10
30	1283.557	48.88	18
31	1323.096	15.55	20
32	1352.026	24.74	26
33	1379.028	29.52	10
34	1442.676	47.2	33
35	1499.573	54.87	18
36	1586.365	19.43	19
37	1610.474	40.35	20
38	1868.921	1.65	13
39	2360.742	2.87	53
40	2835.205	25.62	79
41	2870.886	59.27	36
42	2889.209	49.6	40
43	2917.175	80.97	44
44	2936.462	100.0	29
45	2993.359	38.21	21
46	3019.397	36.6	39
47	3058.936	40.14	67
48	3123.547	46.83	310
49	3358.850	61.71	284

FLS=H0R42007



RFA=H0R42007



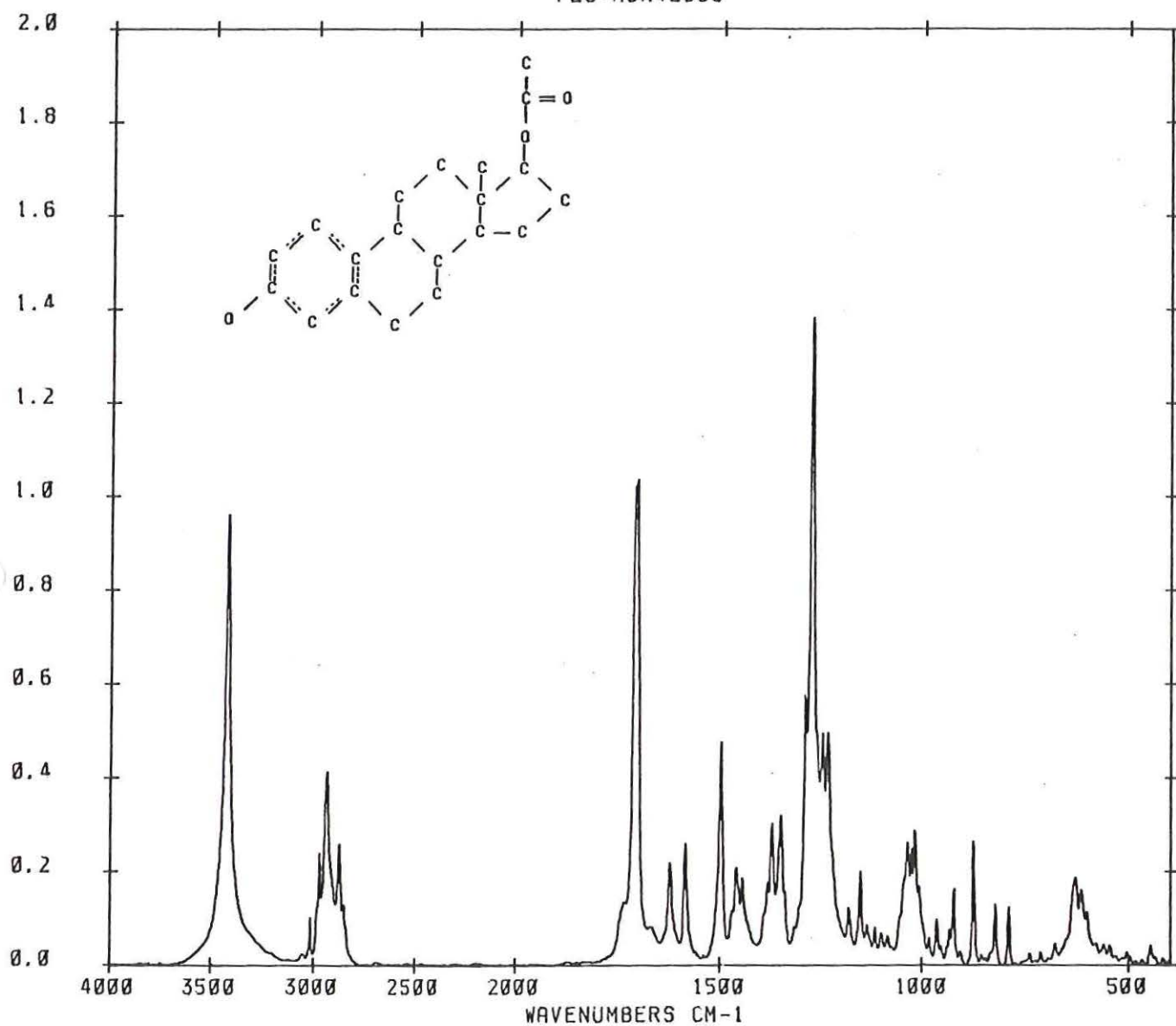
COMPOUND NAME: ESTRADIOL-17 BETA-ACETATE
 SYSTEMATIC NAME: ESTRA-1,3,5(10) ESTRATRIEN-3,17 BETA-DIOL 17-ACETATE
 CA NAME: ESTRA-1,3,5(10)-TRIENE-3,17-DIOL(17BETA)-17-ACETATE
 CAS NUMBER: 1743-60-8
 STERALIDS NUMBER: E-932
 MOLECULAR FORMULE: C20H26O3
 MOLECULAR WEIGHT: 314.4
 MELTING POINT: 217-220
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-7879
 CHARGE NUMBER: 13F-0721
 FLS: HOR42008

PEAK TABLE FILE : HOR42008

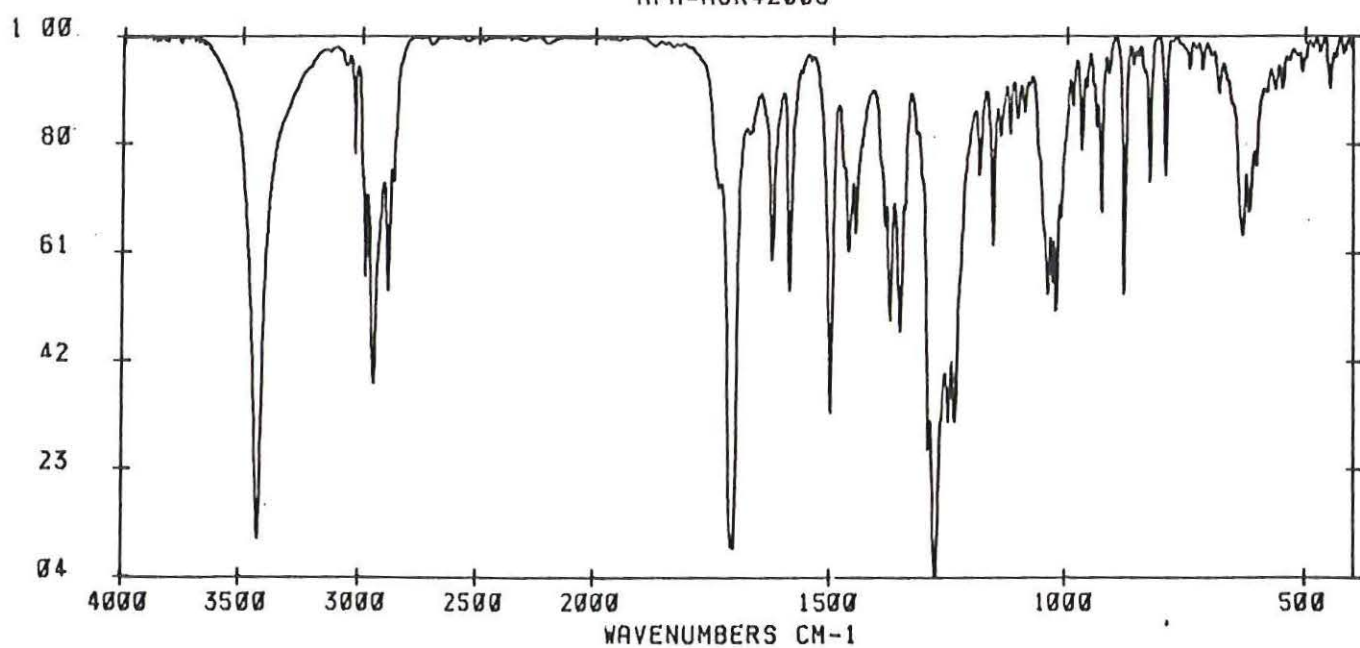
43 PEAKS.

SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	447.461	2.99	8
2	502.429	1.97	13
3	542.932	2.98	11
4	556.433	3.6	16
5	610.437	11.56	38
6	623.938	13.56	23
7	672.156	3.29	12
8	706.873	1.88	8
9	733.875	1.79	8
10	784.985	8.87	6
11	817.773	9.30	7
12	872.742	19.9	5
13	920.959	11.64	7
14	931.567	5.46	8
15	962.427	7.4	8
16	981.714	4.6	9
17	1017.395	20.79	25
18	1026.074	17.95	12
19	1035.718	19.8	27
20	1085.864	4.42	11
21	1100.330	4.86	11
22	1115.759	5.84	10
23	1136.011	6.5	15
24	1152.405	14.48	8
25	1182.300	8.81	10
26	1235.339	35.85	19
27	1247.876	35.72	18
28	1275.842	100.0	13
29	1292.236	41.67	8
30	1351.062	23.14	16
31	1373.242	21.88	14
32	1383.850	12.84	21
33	1444.604	13.42	16
34	1460.034	14.98	16
35	1497.644	34.48	10
36	1584.436	18.73	8
37	1620.117	15.78	12
38	1701.123	74.88	16
39	2870.886	18.69	22
40	2932.605	29.90	31
41	2971.179	17.42	17
42	3016.504	7.32	8
43	3420.569	69.56	30



AFA=HOR42008



COMPOUND NAME: BETA-ESTRADIOL-DIACETATE
 SYSTEMATIC NAME: 1,3,5(10)-ESTRATRIEN-3,17 BETA-DIOLDIACETATE
 CA NAME: ESTRA-1,3,5(10)-TRIENE-3,17-DIOL(17 BETA)-DIACETATE
 CAS NUMBER: 3434-88-6
 STERALIDS NUMBER: E 990
 MOLECULAR FORMULE: C22H28O4
 MOLECULAR WEIGHT: 356.4
 MELTING POINT: 127-129
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: SIGMA
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-0253
 CHARGE NUMBER: 11F-4017
 FLS: HOR42011

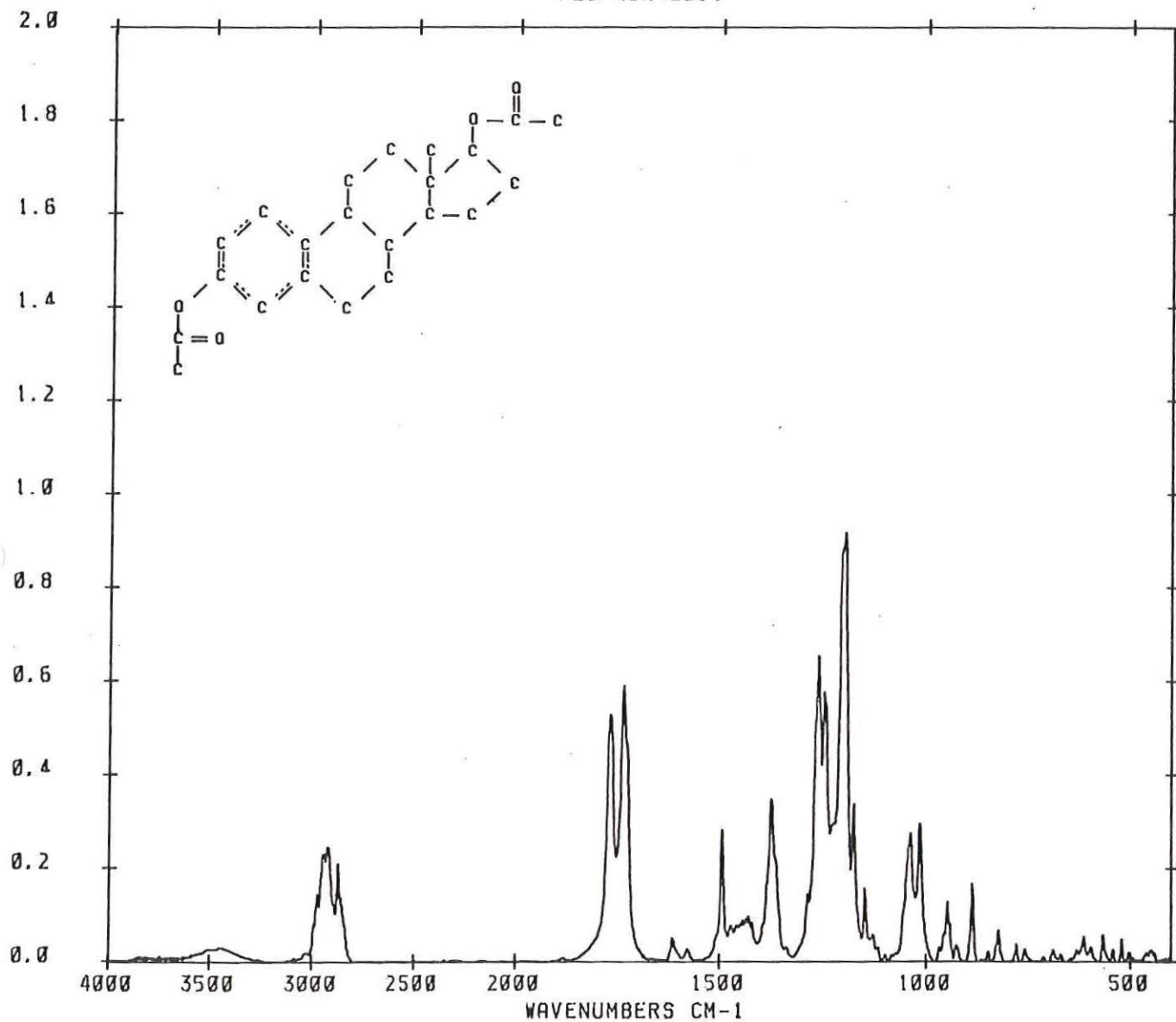
PEAK TABLE FILE : HOR42011

38 PEAKS.

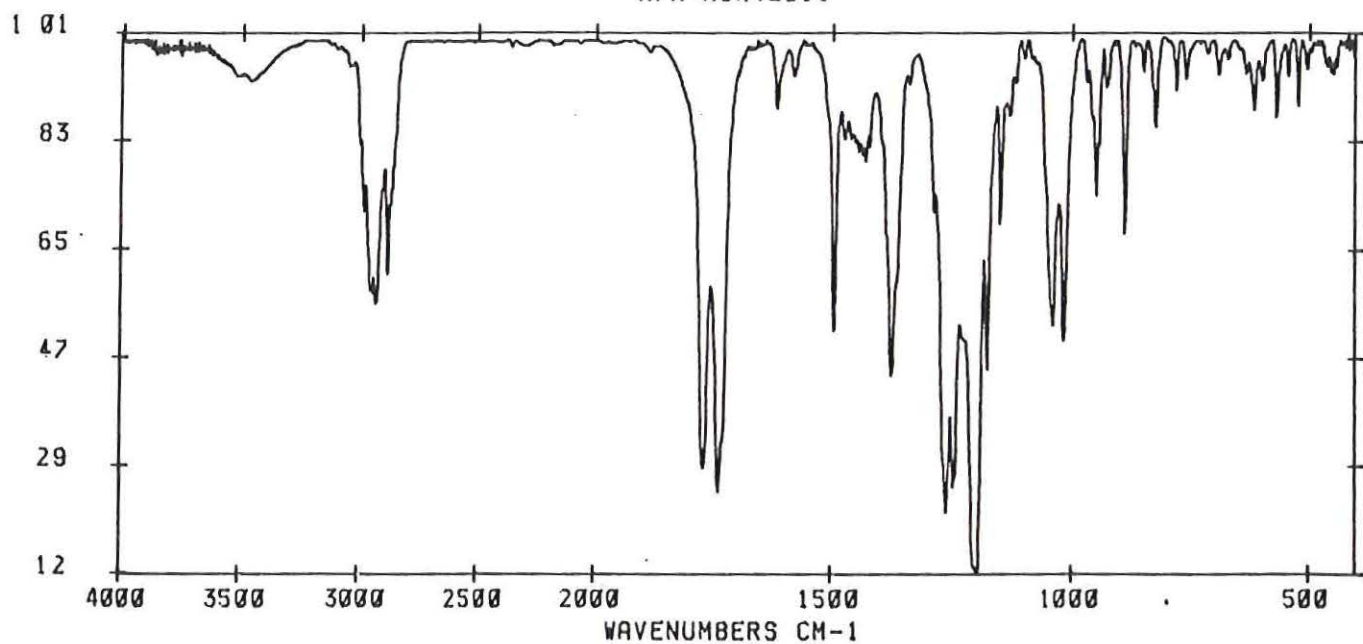
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	447.461	2.63	19
2	501.465	2.20	8
3	519.788	5.33	6
4	541.003	2.78	6
5	565.112	6.31	7
6	594.043	3.18	8
7	611.401	5.76	11
8	684.692	2.71	23
9	755.090	3.1	7
10	775.342	4.0	8
11	818.738	7.19	8
12	844.775	2.35	6
13	885.278	18.9	8
14	924.817	3.64	12
15	946.033	13.91	12
16	1015.466	32.17	14
17	1039.575	29.87	25
18	1099.365	1.39	6
19	1129.260	6.16	27
20	1148.547	16.96	8
21	1176.514	36.66	11
22	1197.729	100.0	23
23	1247.876	62.88	15
24	1262.341	71.5	23
25	1287.415	15.71	10
26	1375.171	37.98	22
27	1429.175	10.45	51
28	1470.642	8.38	22
29	1493.787	30.75	10
30	1577.686	2.83	13
31	1613.367	5.52	12
32	1733.911	64.38	22
33	1765.735	57.67	20
34	2873.779	22.90	30
35	2925.854	26.77	52
36	2938.391	25.33	60
37	2974.072	15.59	37
38	3445.642	3.27	210

FLS=HOR42011



AFA=HOR42011



COMPOUND NAME: ESTRADIOL-17-PROPIONATE
 CA NAME: -
 CAS NUMBER: -
 MERCK INDEX NO (10 ED): -
 STERALIDS NUMBER: -
 MOLECULAR FORMULE: C₂₁H₂₈O₃
 MOLECULAR WEIGHT: 328.4
 MELTING POINT: 199-200
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: ACROFOLI 1N
 MANUFACTURER: SERVA
 MANUFACTURER REFERENCE: 31115
 FLS: HOR42056

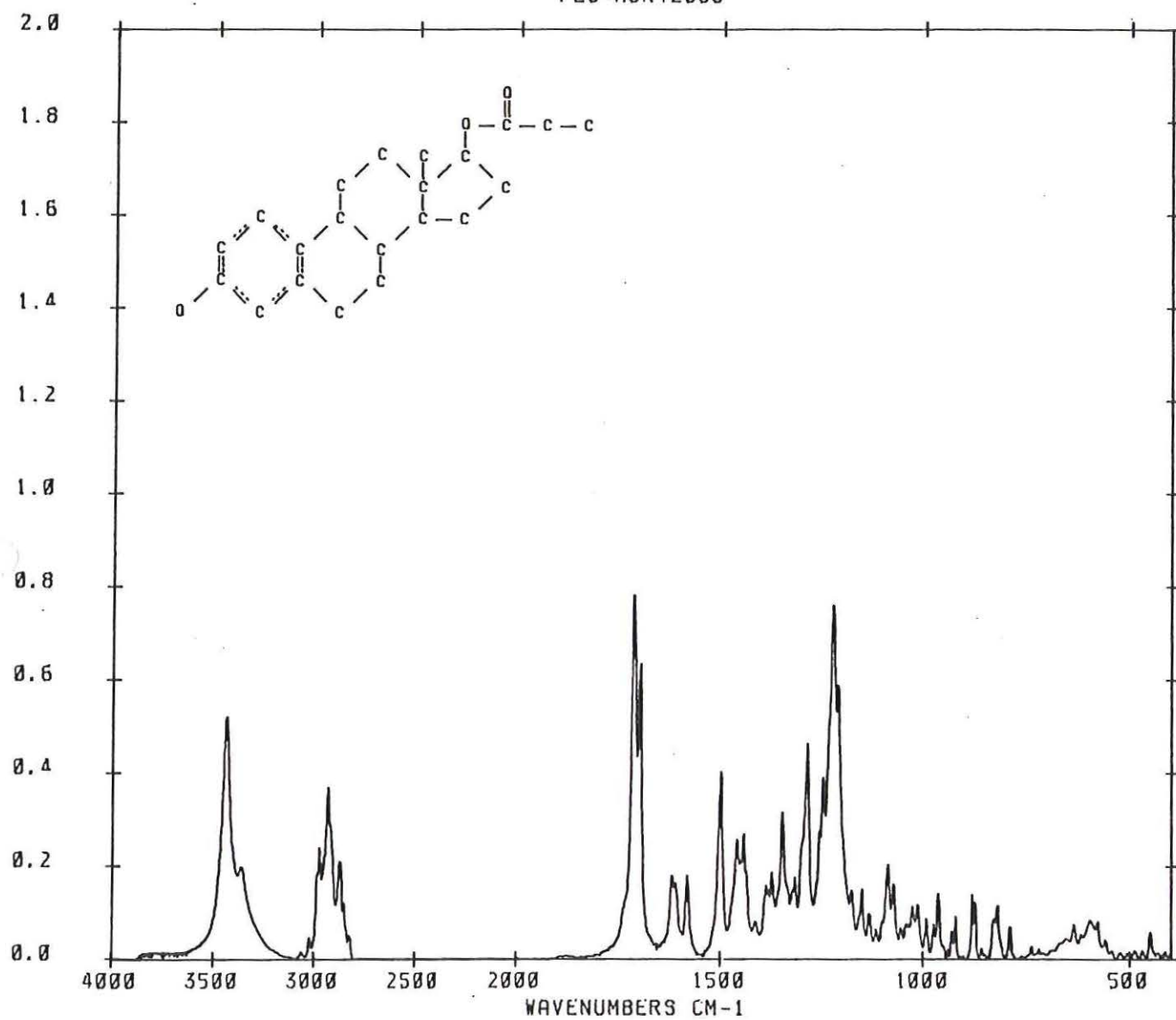
PEAK TABLE FILE : HOR42056

57 PEAKS.

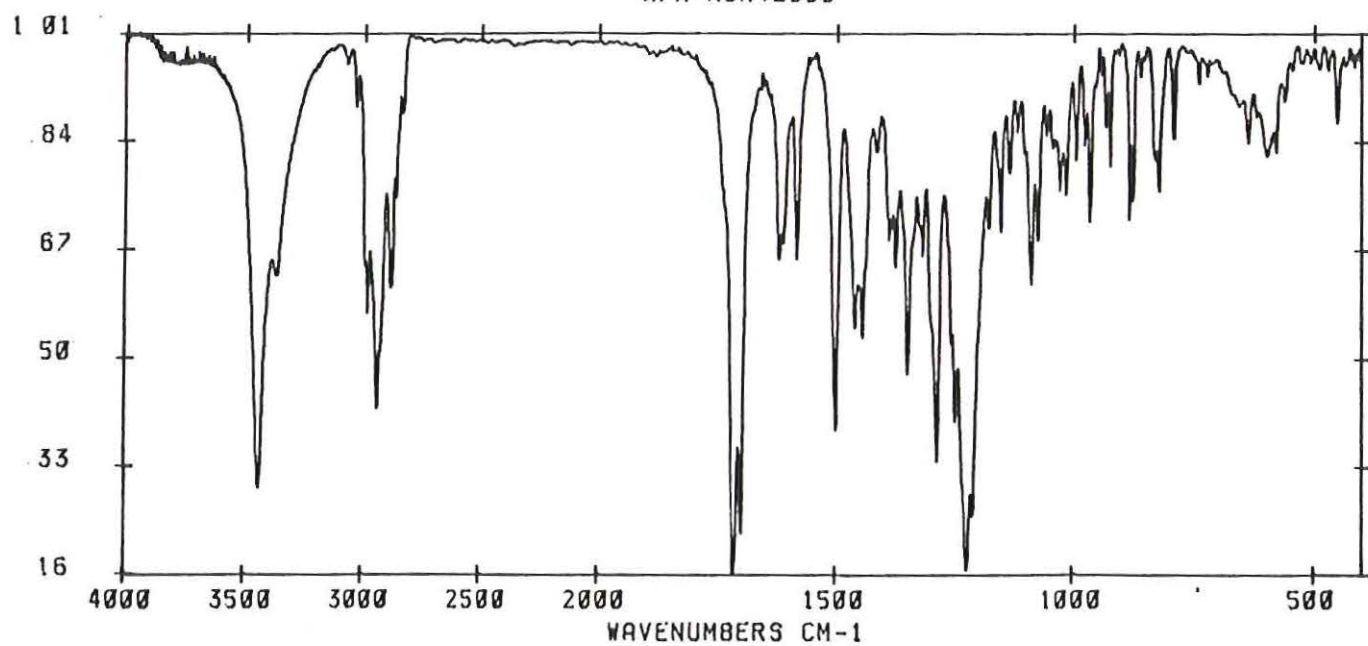
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	450.354	7.27	8
2	468.677	2.26	8
3	486.035	2.17	11
4	555.469	5.10	10
5	573.792	10.31	11
6	592.114	10.72	29
7	630.688	9.32	15
8	714.587	2.80	5
9	732.910	3.51	6
10	785.950	8.80	8
11	815.845	14.48	16
12	854.419	2.86	5
13	870.813	15.60	6
14	877.563	17.92	6
15	919.995	11.74	6
16	929.639	7.67	8
17	939.282	2.70	5
18	962.427	18.3	9
19	973.035	9.58	8
20	990.393	11.6	9
21	1011.609	14.92	12
22	1025.110	14.39	12
23	1054.041	8.48	14
24	1072.363	20.32	13
25	1085.864	26.6	14
26	1114.795	8.18	12
27	1132.153	12.49	11
28	1151.440	19.27	10
29	1178.442	18.80	17
30	1212.195	75.18	18
31	1224.731	97.14	23
32	1248.840	50.0	13
33	1257.520	35.20	12
34	1288.379	59.17	15
35	1318.274	22.37	14
36	1350.098	40.57	13
37	1376.135	23.86	15
38	1383.850	18.98	20
39	1389.636	20.28	15
40	1414.709	10.21	20
41	1443.640	34.28	21
42	1460.034	32.78	19
43	1498.608	51.68	13
44	1582.507	22.86	11
45	1609.509	20.85	13
46	1619.153	22.82	12
47	1696.301	81.0	10
48	1711.731	100.0	14
49	2823.633	6.37	17
50	2850.635	15.25	17
51	2870.886	26.73	33
52	2930.676	47.25	44
53	2972.144	30.62	35
54	3022.290	5.78	12
55	3364.636	25.15	95
56	3436.963	66.57	46
57	3775.452	1.88	271

FLS=H0R42056



AFA=H0R42056



COMPOUND NAME: 17 BETA-ESTRADIOL-DIPROPIONATE
 SYSTEMATIC NAME: 1,3,5(10)-ESTRATRIENE-3,17 BETA-DIOL DIPROPIONATE
 CA NAME: ESTRA-1,3,5(10)-TRIENE-3,17 DIOL (17-BETA)DIPROPIONATE
 CAS NUMBER: 113-38-2
 MERCK INDEX NO (10 ED): 3648
 STERALIDS NUMBER: E 1040
 MOLECULAR FORMULE: C₂₄H₃₂O₄
 MOLECULAR WEIGHT: 384.5
 MELTING POINT: 104-105
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: AGOFOLLIN, DIMENFORMON-DIPROPIONATE, DIOVOCYLIN
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E 9125
 CHARGE NUMBER: 122F-0913
 FLS: HOR42012

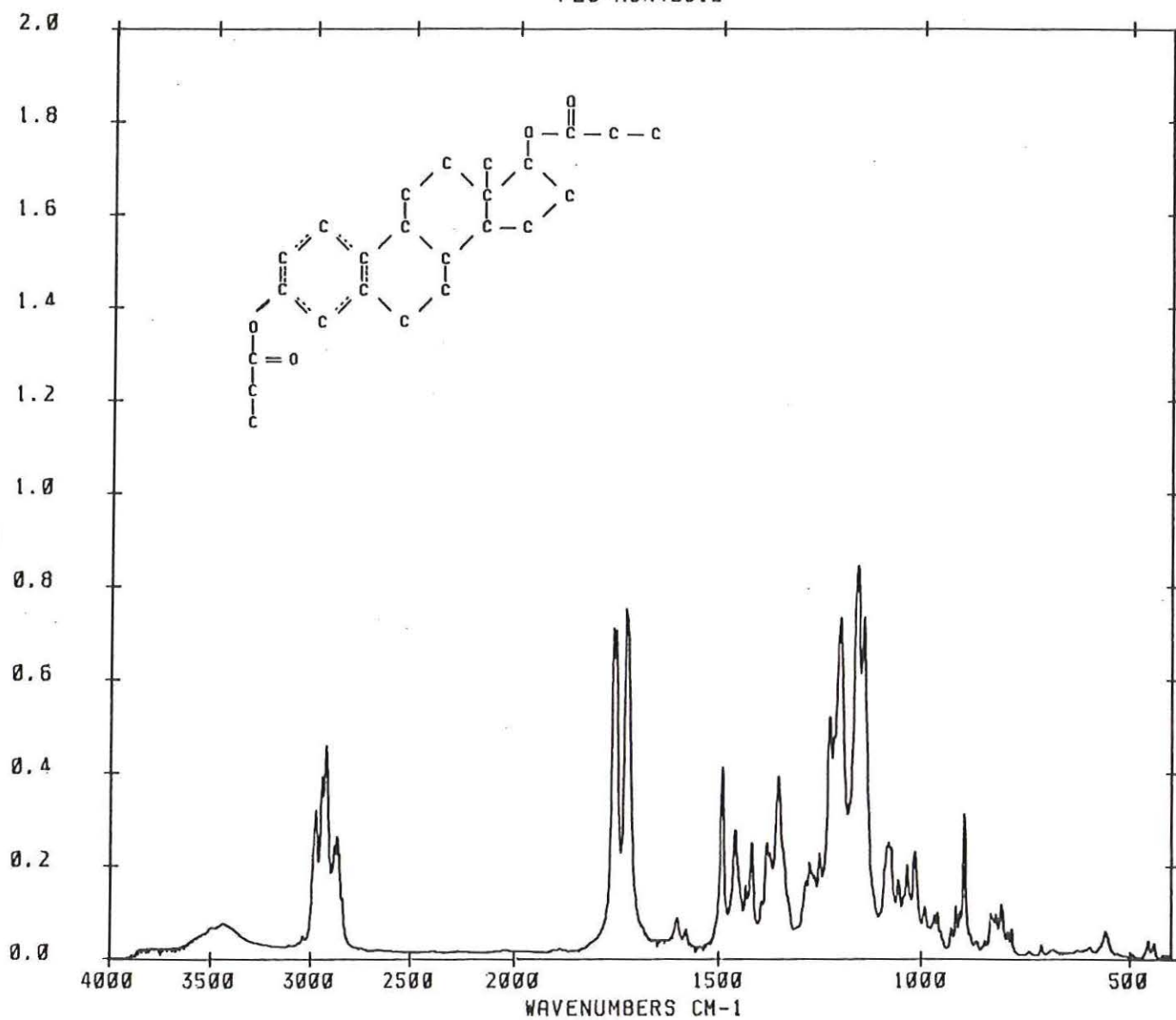
PEAK TABLE FILE : HOR42012

47 PEAKS.

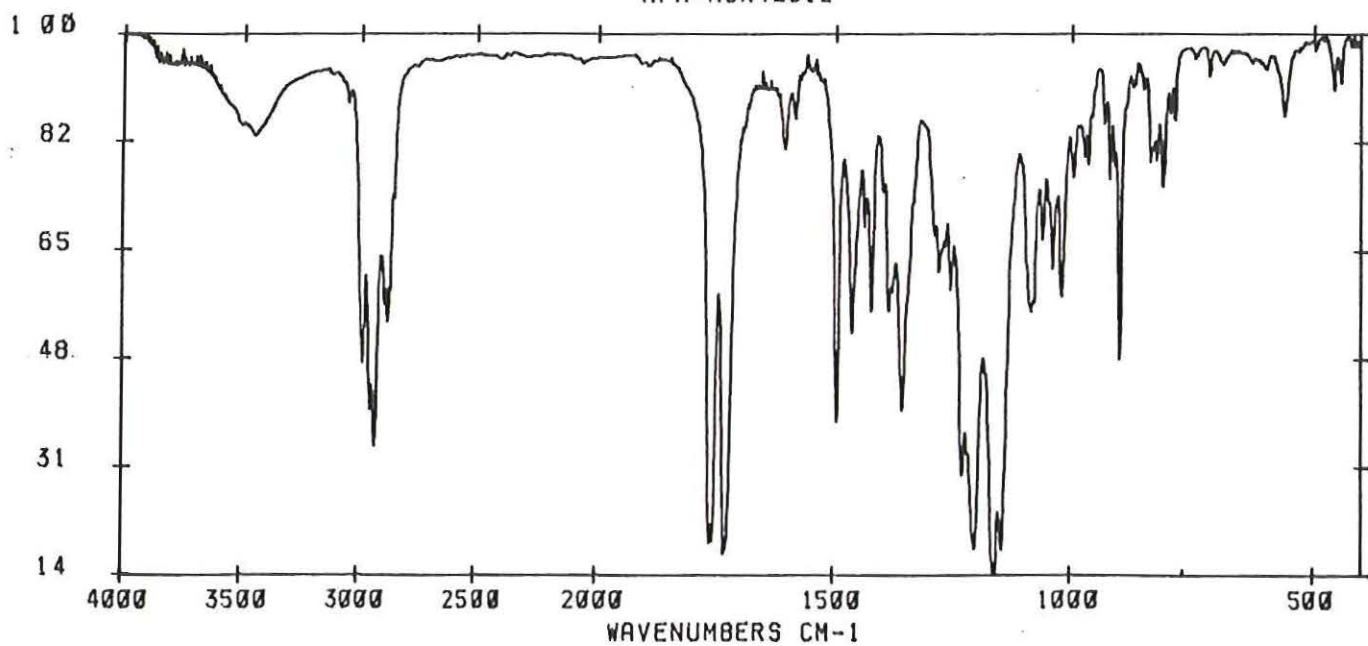
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	440.710	4.10	12
2	455.176	4.75	9
3	558.362	7.8	17
4	595.007	3.1	31
5	683.728	2.49	29
6	711.694	3.53	7
7	783.057	7.51	7
8	791.736	6.95	10
9	807.166	14.9	13
10	820.667	11.44	11
11	832.239	11.66	10
12	896.851	37.6	8
13	907.458	12.9	10
14	917.102	13.42	7
15	927.710	7.91	8
16	960.498	11.82	10
17	968.213	11.15	12
18	991.357	13.19	14
19	1014.502	27.45	15
20	1032.825	23.87	13
21	1055.005	20.24	14
22	1078.149	29.69	33
23	1138.904	86.78	19
24	1154.333	100.0	27
25	1196.765	86.86	29
26	1223.767	61.62	15
27	1246.912	26.77	15
28	1272.949	24.41	32
29	1282.593	19.82	19
30	1351.062	46.47	24
31	1380.957	29.64	14
32	1418.567	29.70	10
33	1433.032	18.81	14
34	1460.034	32.89	17
35	1491.858	48.82	11
36	1583.472	7.39	14
37	1605.652	10.27	19
38	1732.947	89.14	18
39	1757.056	83.73	13
40	1762.842	84.16	10
41	2866.064	31.17	42
42	2879.565	28.69	35
43	2921.997	54.36	32
44	2943.213	46.56	27
45	2974.072	37.84	41
46	3438.892	9.6	265
47	3774.487	2.64	126

FLS=HOR42012



AFA=HOR42012



COMPOUND NAME: 17 BETA- ESTRADIOL-3-SULFATE
 SYSTEMATIC NAME: 1,3,5(10)ESTRATRIEN-3,17 BETA-DIOL-3-SODIUMSULFATE
 CA NAME: ESTRA-1,3,5(10)TRIENE-3,17 DIOL-(17 BETA)-3-SULFATE
 CAS NUMBER: 66814-04-8
 STERALOID NUMBER: E 1100
 MOLECULAR FORMULE: C18H23SO5
 MOLECULAR WEIGHT: 374.4
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: CONTAINS 67% N-METHYL-D-GLUCAMINE AS STABILIZER
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-9505
 CHARGE NUMBER: 120F-4065
 FLS: HOR42010

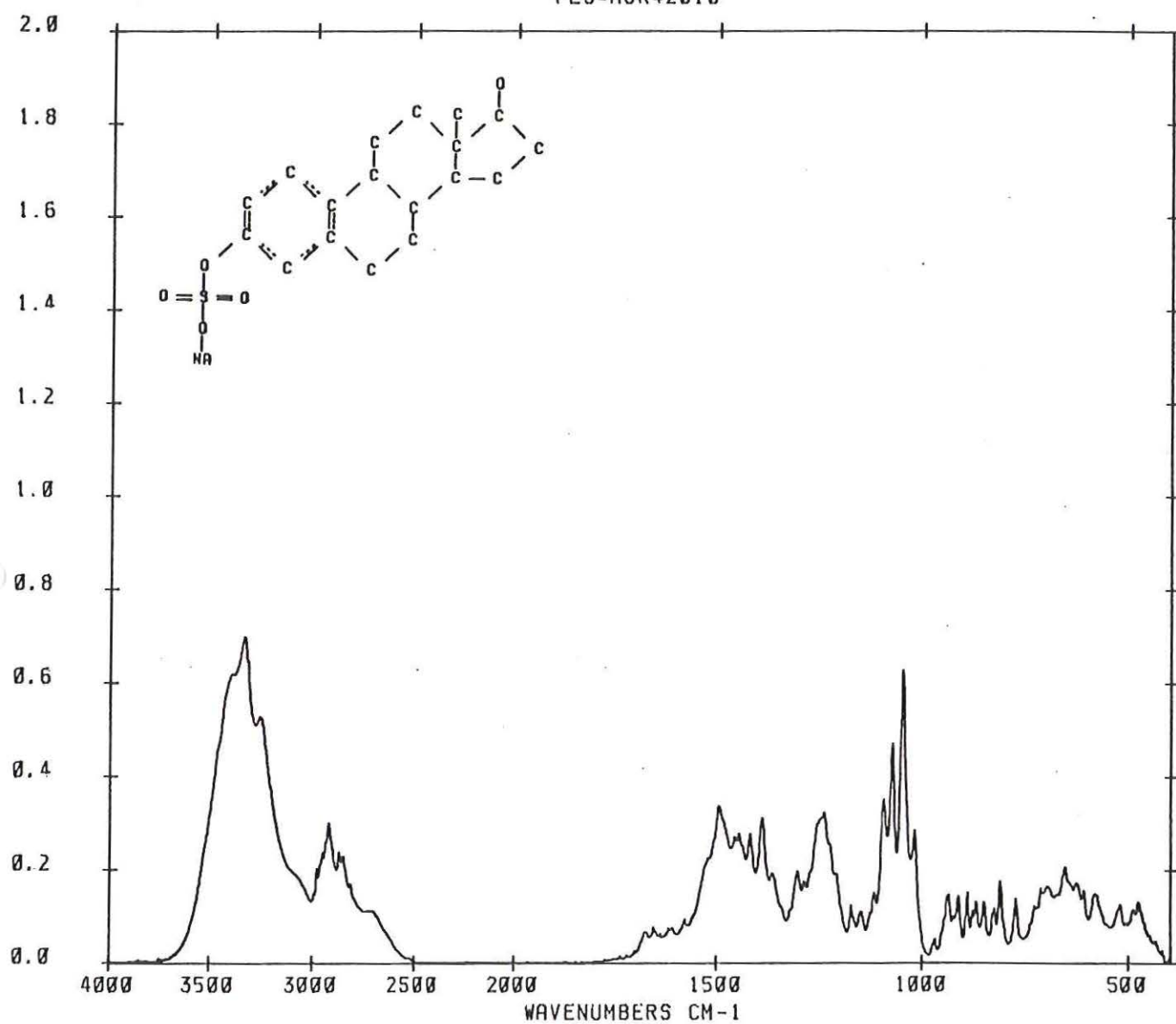
PEAK TABLE FILE : HOR42010

45 PEAKS.

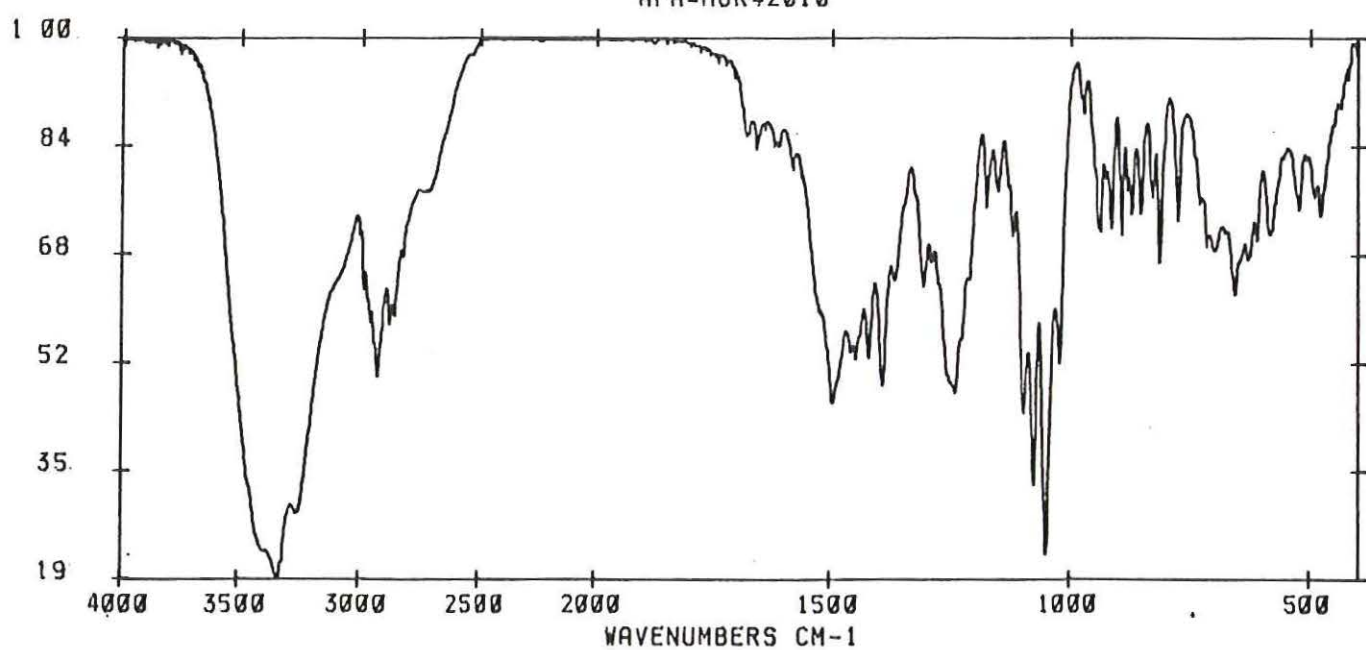
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	473.427	18.79	25
2	518.823	17.94	29
3	578.613	21.22	41
4	604.651	21.89	15
5	622.974	24.47	52
6	649.976	29.42	31
7	692.407	23.42	68
8	709.766	22.83	46
9	769.556	19.47	13
10	808.130	24.94	12
11	821.631	16.67	16
12	846.704	18.60	12
13	865.991	18.62	16
14	874.670	15.89	10
15	887.207	21.34	9
16	908.423	20.32	14
17	931.567	20.83	35
18	967.249	7.19	16
19	1018.359	40.58	18
20	1049.219	89.60	18
21	1075.256	67.7	16
22	1097.437	50.19	15
23	1119.617	21.42	19
24	1151.440	15.79	27
25	1175.549	17.83	13
26	1241.125	46.9	68
27	1290.308	24.84	42
28	1306.702	28.27	31
29	1367.456	27.47	44
30	1391.565	44.52	25
31	1419.531	39.65	25
32	1445.569	39.81	60
33	1456.177	38.82	35
34	1493.787	48.12	83
35	1576.721	13.35	27
36	1606.616	10.76	45
37	1652.905	11.6	16
38	1675.085	9.65	25
39	2848.706	32.67	170
40	2869.922	34.3	47
41	2920.068	43.5	65
42	2951.892	33.83	71
43	2978.894	28.79	17
44	3257.593	75.25	170
45	3332.812	100.0	314

FLS=HOR42010



AFA=HOR42010



COMPOUND NAME: 17 BETA-ESTRADIOL-3-BENZOATE
 SYSTEMATIC NAME: ESTRA-1,3,5(10)TRIENE-3,17 DIOL-(17 BETA)-3-BENZOATE
 CA NAME: ESTRA-1,3,5(10)TRIENE-3,17 DIOL-(17 BETA)-3-BENZOATE
 CAS NUMBER: 50-50-0
 MERCK INDEX NO (10 ED): 3650
 STERALDIDS NUMBER: E-970
 MOLECULAR FORMULE: C25H28O3
 MOLECULAR WEIGHT: 376.5
 MELTING POINT: 191-196
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: BENOVOCYCLIN, BENZOETROFOL
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-9000
 CHARGE NUMBER: 12F-3792
 FLS: HOR42009

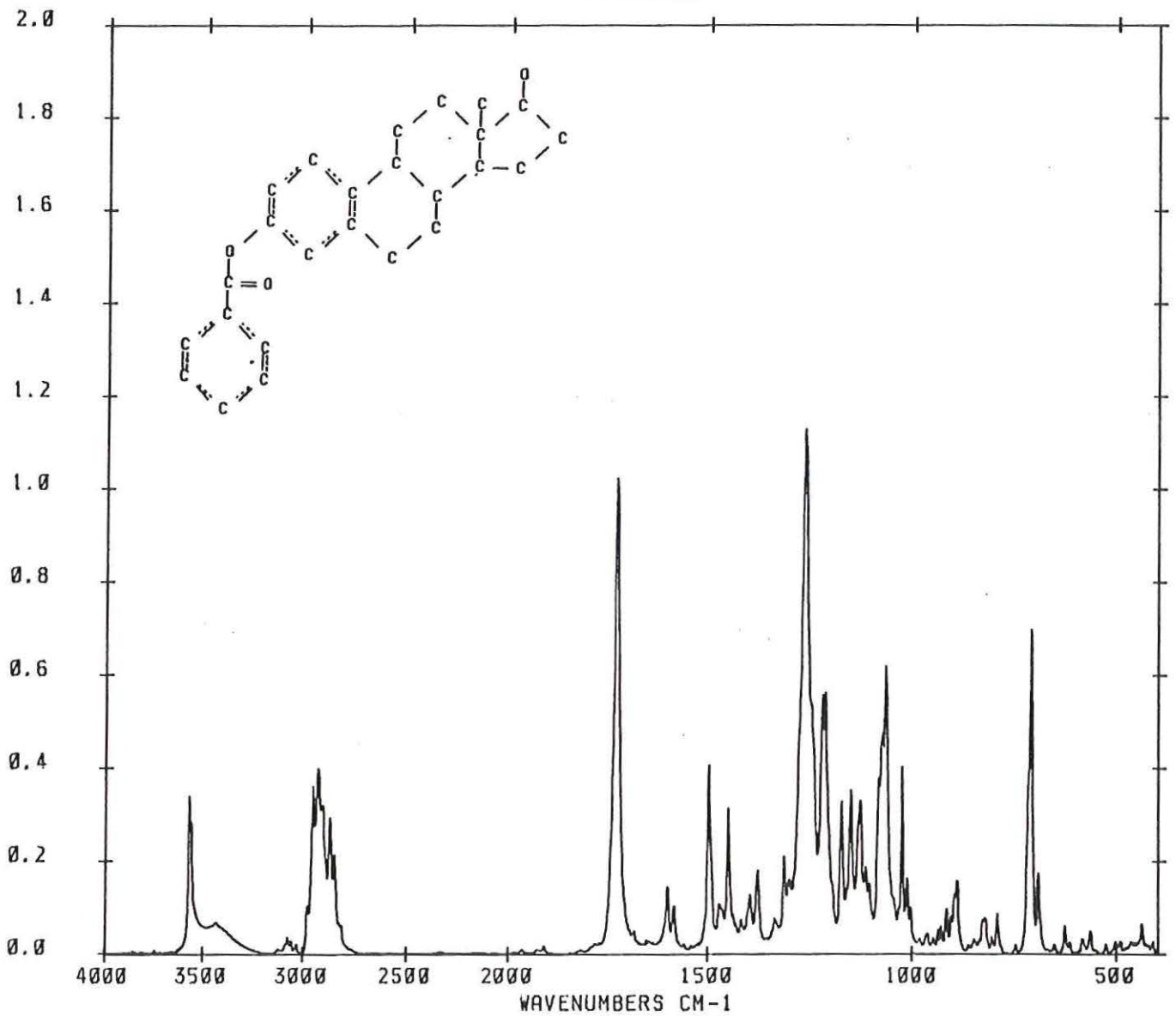
PEAK TABLE FILE : HOR42009

55 PEAKS.

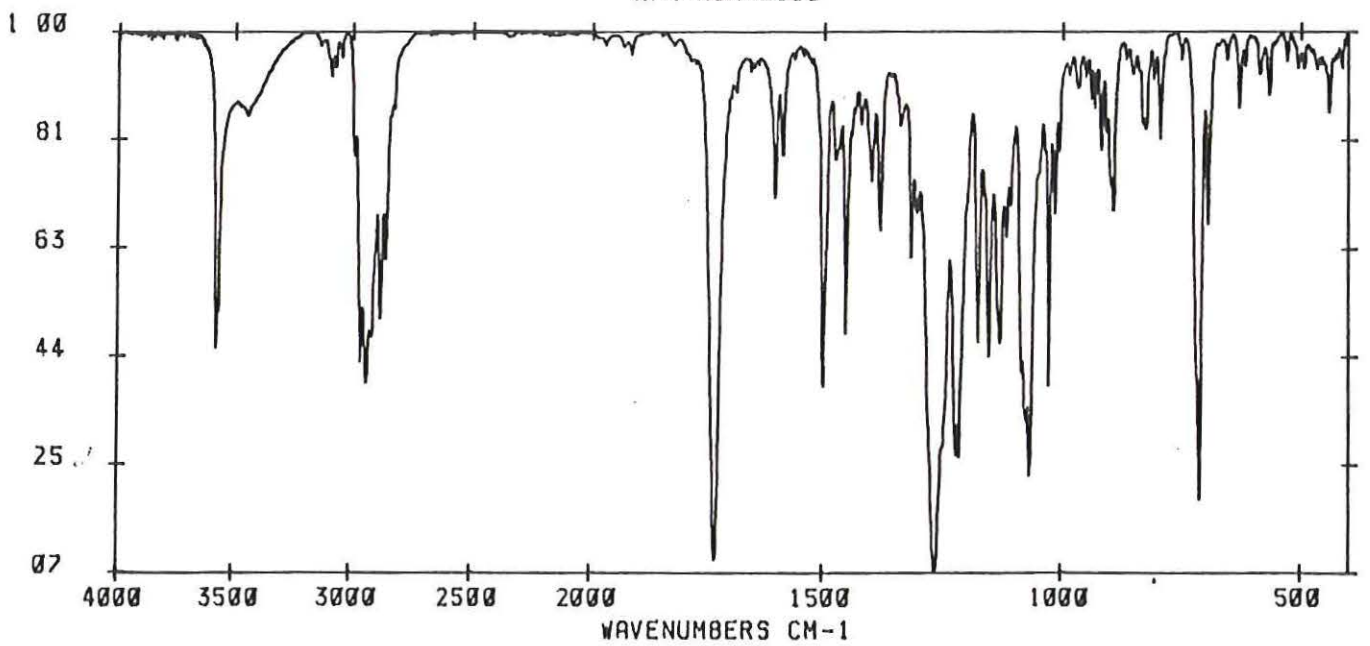
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	438.782	5.62	6
2	501.465	2.40	23
3	524.609	1.90	6
4	561.255	4.26	7
5	580.542	2.85	10
6	622.009	5.26	6
7	647.083	1.80	7
8	687.585	15.22	7
9	704.944	61.82	10
10	741.589	1.79	5
11	787.878	7.69	7
12	801.379	3.19	7
13	818.738	6.89	16
14	845.740	2.79	14
15	889.136	13.95	14
16	902.637	7.22	10
17	914.209	8.62	7
18	926.746	5.35	6
19	935.425	4.67	5
20	946.033	3.5	10
21	962.427	3.77	14
22	1001.965	8.72	7
23	1011.609	14.24	9
24	1025.110	35.60	6
25	1066.577	54.76	13
26	1074.292	42.22	23
27	1083.936	33.64	10
28	1106.116	13.40	14
29	1115.759	16.53	14
30	1128.296	29.11	15
31	1152.405	31.15	11
32	1175.549	29.8	9
33	1216.052	49.72	14
34	1222.803	49.44	12
35	1266.199	100.0	21
36	1302.844	14.19	26
37	1313.381	18.71	9
38	1337.561	6.63	12
39	1379.993	15.93	10
40	1398.315	11.31	14
41	1419.531	6.55	14
42	1451.355	27.83	7
43	1472.571	9.39	28
44	1497.644	35.93	10
45	1583.472	9.3	9
46	1599.866	12.69	11
47	1729.089	90.59	14
48	1910.388	1.43	10
49	2847.742	18.81	21
50	2868.958	25.91	21
51	2927.783	35.31	58
52	2950.928	32.2	14
53	2976.965	9.18	14
54	3074.365	3.1	60
55	3567.151	30.3	19

FLS=HOR42009



AFA=HOR42009



COMPOUND NAME: BETA-ESTRADIOL-3-METHYLETHER
 SYSTEMATIC NAME: 1,3,5(10)-ESTRATRIEN-3,17 BETA-DIOL-3-METHYLETHER
 CA NAME: ESTRA-1,3,5(10)-TRIEN-17-OL, 3 METHOXY-(17-BETA)
 CAS NUMBER: 1035-77-4
 STERALIDS NUMBER: E 1090
 MOLECULAR FORMULE: C19H26O2
 MOLECULAR WEIGHT: 286
 MELTING POINT: 118-119
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E 9250
 CHARGE NUMBER: 60F-4012
 FLS: HOR42013

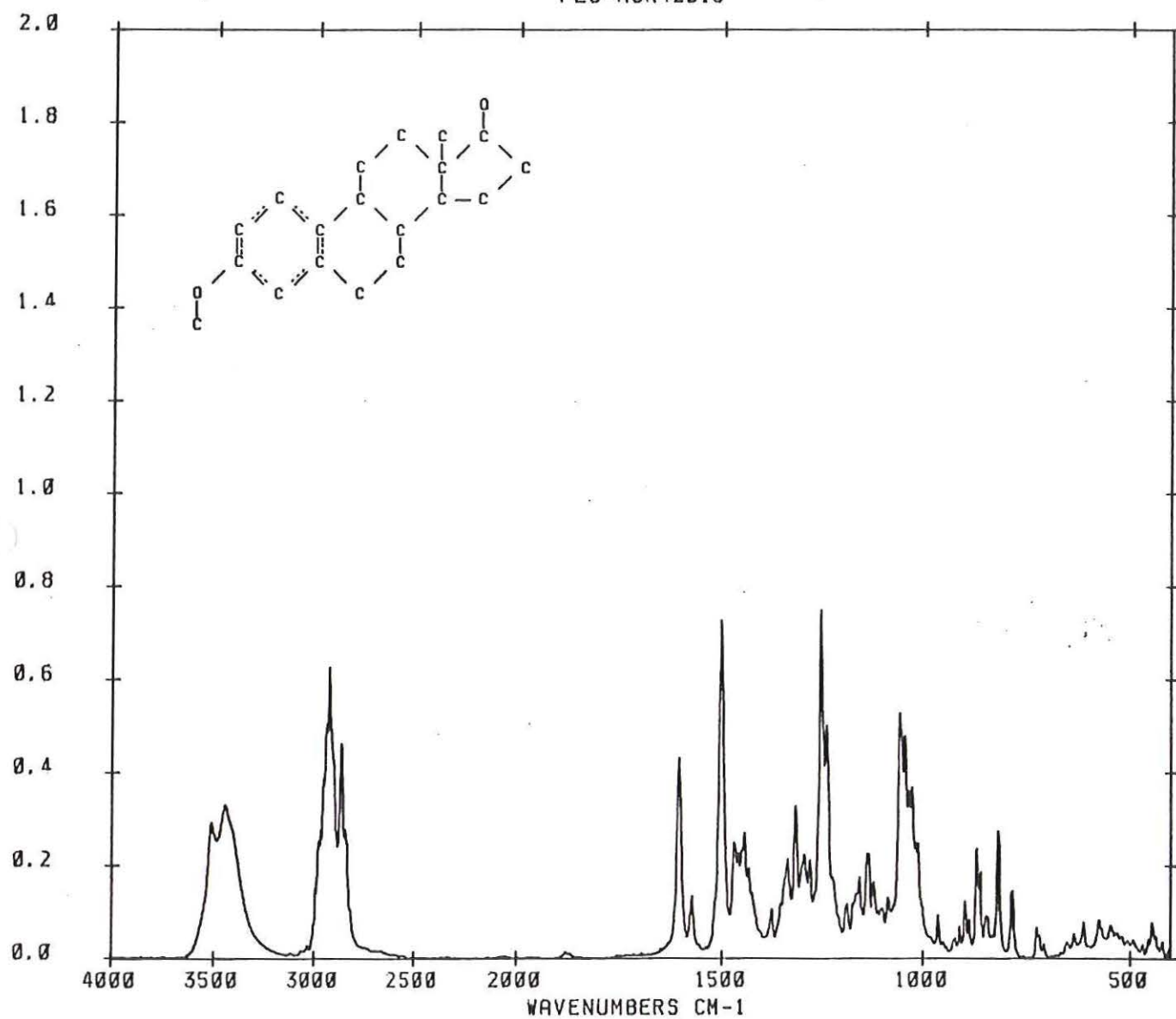
PEAK TABLE FILE : HOR42013

56 PEAKS.

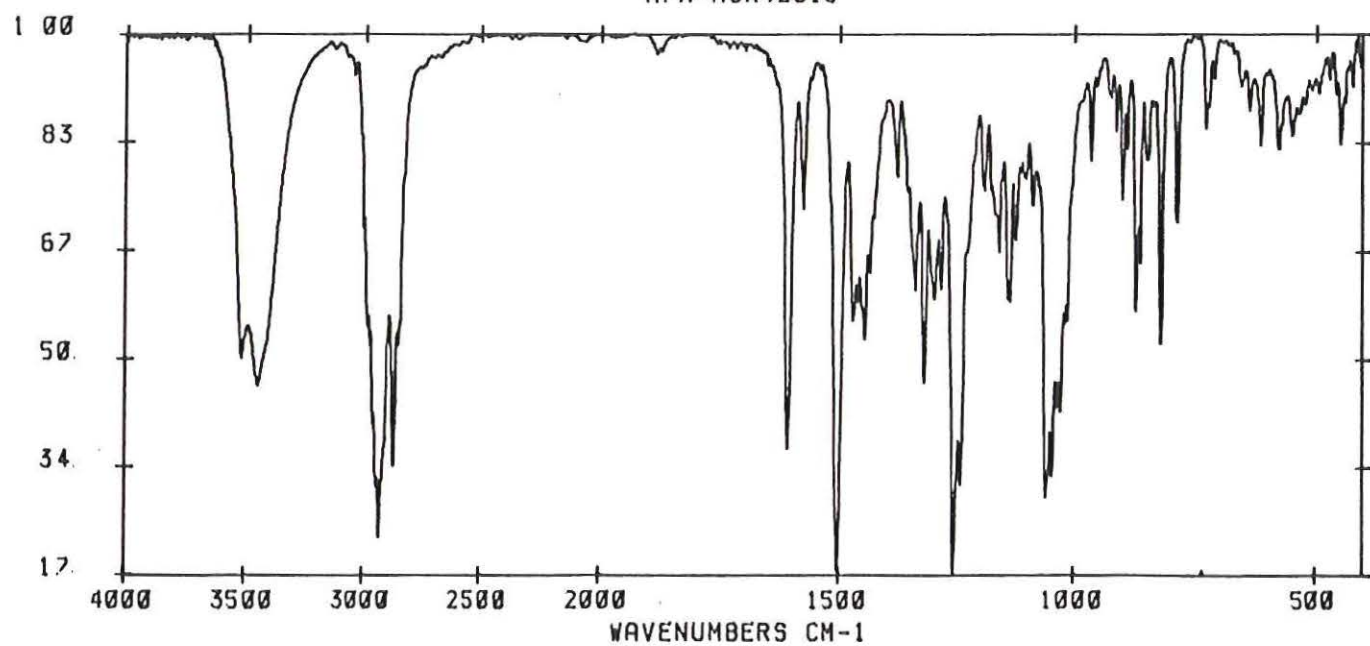
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	419.495	4.71	8
2	445.532	10.45	9
3	468.677	4.5	10
4	545.825	9.60	43
5	574.756	11.3	18
6	611.401	10.61	9
7	634.546	7.0	11
8	651.904	4.68	10
9	708.801	3.95	6
10	726.160	8.85	14
11	784.985	19.41	9
12	817.773	36.71	7
13	845.740	12.17	16
14	861.169	24.75	5
15	869.849	31.42	6
16	888.171	11.5	9
17	897.813	16.62	8
18	910.352	9.13	6
19	920.959	5.79	14
20	962.427	12.32	6
21	1010.645	32.93	11
22	1016.431	33.36	22
23	1025.110	49.21	13
24	1032.825	48.32	21
25	1042.468	64.22	9
26	1055.005	70.33	12
27	1082.007	17.37	16
28	1095.508	14.30	11
29	1119.617	21.69	14
30	1130.225	30.4	16
31	1153.369	23.29	24
32	1183.264	15.59	16
33	1236.304	66.93	17
34	1251.733	100.0	12
35	1277.771	28.22	12
36	1291.272	29.73	31
37	1313.452	43.71	13
38	1333.704	28.48	23
39	1374.207	14.8	14
40	1433.032	25.93	28
41	1443.640	36.5	20
42	1457.141	30.30	17
43	1468.713	33.18	14
44	1502.466	97.19	14
45	1576.721	17.76	13
46	1609.509	57.66	13
47	1881.458	1.77	22
48	2843.884	36.95	37
49	2864.136	61.72	25
50	2925.854	83.74	56
51	2938.391	67.53	31
52	2953.821	51.94	17
53	2966.357	37.20	21
54	2976.965	34.5	39
55	3444.678	44.21	152
56	3510.254	39.20	52

FLS=HOR42013



AFA=HOR42013



COMPOUND NAME: 17 ALPHA-ETHYNYLESTRADIOL
 SYSTEMATIC NAME: 17 ALPHA-ETHYNYL-1,3,5(10)-ESTRADIENE-3,17 BETA-DIOL
 CA NAME: 19 NORPREGNA-1,3,5(10)-TRIEN-20 YNE-3,17-DIOL 17 ALPHA
 CAS NUMBER: 57-63-6
 MERCK INDEX NO (10 ED): 3683
 STERALIDS NUMBER: E 1550
 MOLECULAR FORMULE: C20H24O2
 MOLECULAR WEIGHT: 296.4
 MELTING POINT: 182-184
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-4876
 CHARGE NUMBER: 103F-0232
 FLS: HOR42016

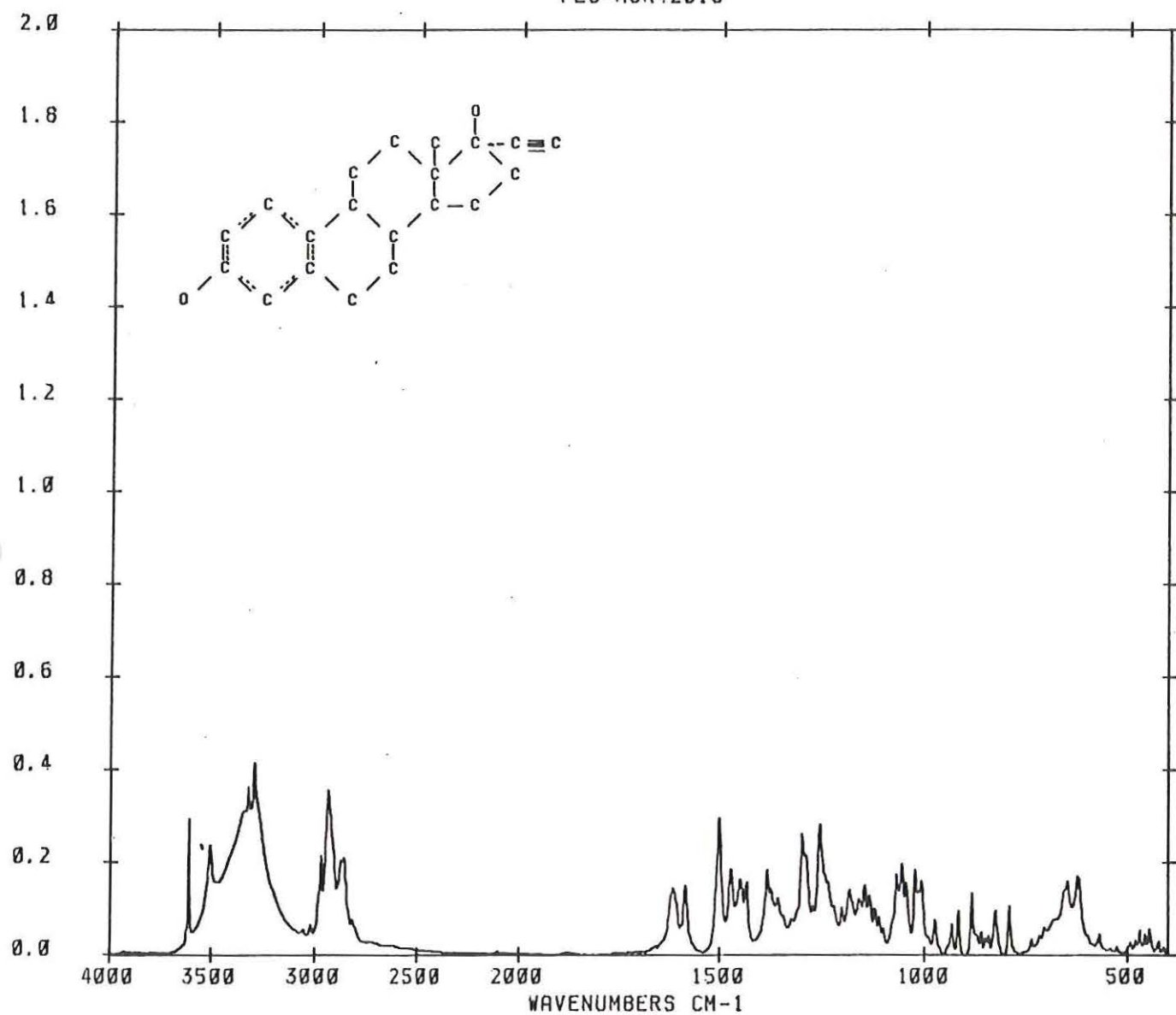
PEAK TABLE FILE : HOR42016

60 PEAKS.

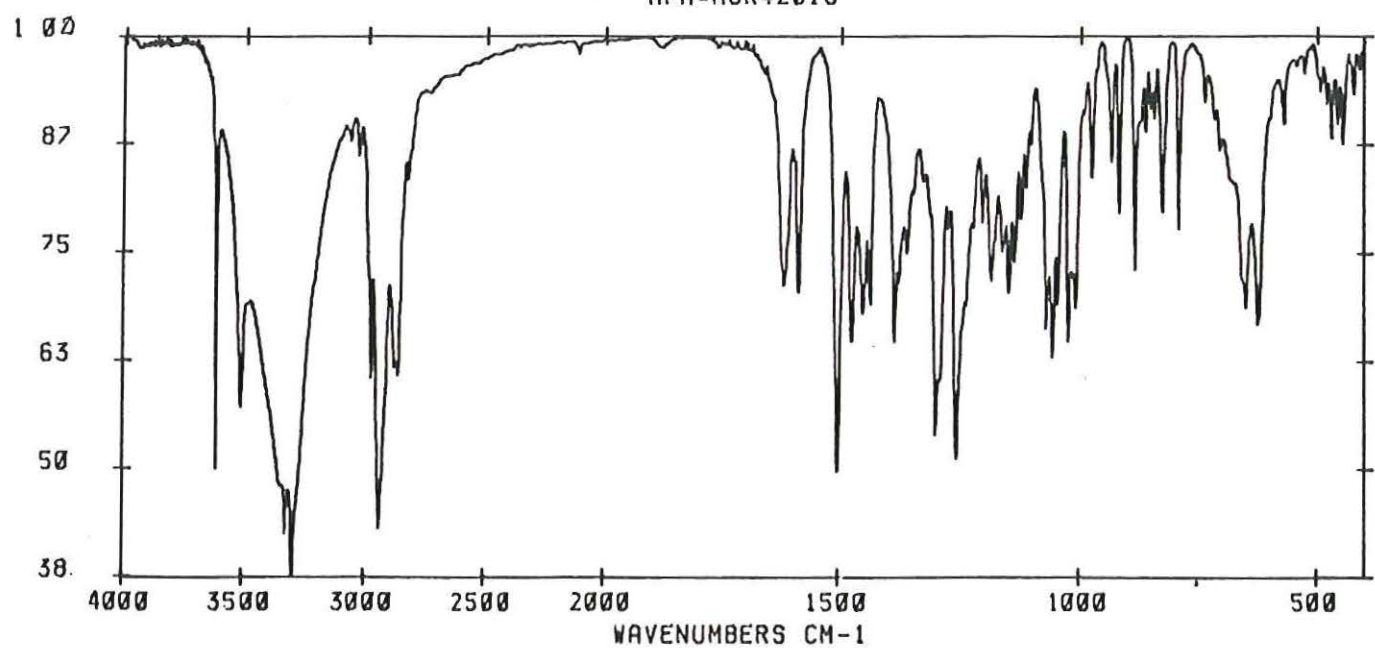
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	423.352	7.10	8
2	445.532	13.51	8
3	456.140	10.95	9
4	468.677	12.81	8
5	480.249	8.39	8
6	491.821	6.75	14
7	524.609	4.42	9
8	568.005	10.82	12
9	622.009	41.25	21
10	646.118	38.53	28
11	701.086	14.43	15
12	713.623	10.33	12
13	732.910	8.1	8
14	788.843	25.71	6
15	822.595	23.13	10
16	838.989	10.5	8
17	846.704	8.91	10
18	857.312	11.84	7
19	880.457	32.21	7
20	914.209	23.37	7
21	929.639	15.94	7
22	971.106	18.14	9
23	1005.823	38.45	14
24	1022.217	44.51	8
25	1043.433	37.86	11
26	1055.005	47.53	13
27	1069.470	42.10	12
28	1102.258	13.62	13
29	1110.937	19.65	13
30	1121.545	24.22	14
31	1135.046	30.81	14
32	1146.619	36.0	16
33	1160.120	29.21	19
34	1184.229	33.95	22
35	1202.551	24.73	14
36	1256.555	68.19	21
37	1272.949	25.73	20
38	1298.987	63.8	24
39	1357.812	29.43	25
40	1376.135	34.26	27
41	1383.850	44.46	15
42	1433.032	37.74	9
43	1449.426	39.39	25
44	1472.571	44.55	15
45	1501.501	71.43	14
46	1584.436	36.3	13
47	1615.295	34.72	23
48	1873.743	1.37	25
49	2103.259	2.2	19
50	2819.775	18.53	62
51	2858.350	50.70	31
52	2936.462	85.77	48
53	2969.250	51.58	27
54	3021.326	15.28	31
55	3055.078	13.19	42
56	3293.274	100.0	101
57	3321.240	87.62	158
58	3503.503	57.30	44
59	3607.654	71.0	6
60	3927.820	1.51	235

FLS=HOR42016



AFA=HOR42016



COMPOUND NAME: MESTRANOL
 SYSTEMATIC NAME: 3-METHOXY-19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL
 CA NAME: 19-NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL, METHOXY-, (17) ALPHA)
 CAS NUMBER: 72-33-3
 MERCK INDEX NO (10 ED): 5762
 STERALIDS NUMBER: -
 MOLECULAR FORMULE: C21H26O2
 MOLECULAR WEIGHT: 310.4
 MELTING POINT: 150-151
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: 17 ALPHA ETHYNYLESTRADIOL 3-METHYLETHER
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-5001
 CHARGE NUMBER: 103F-0436
 FLS: HOR42031

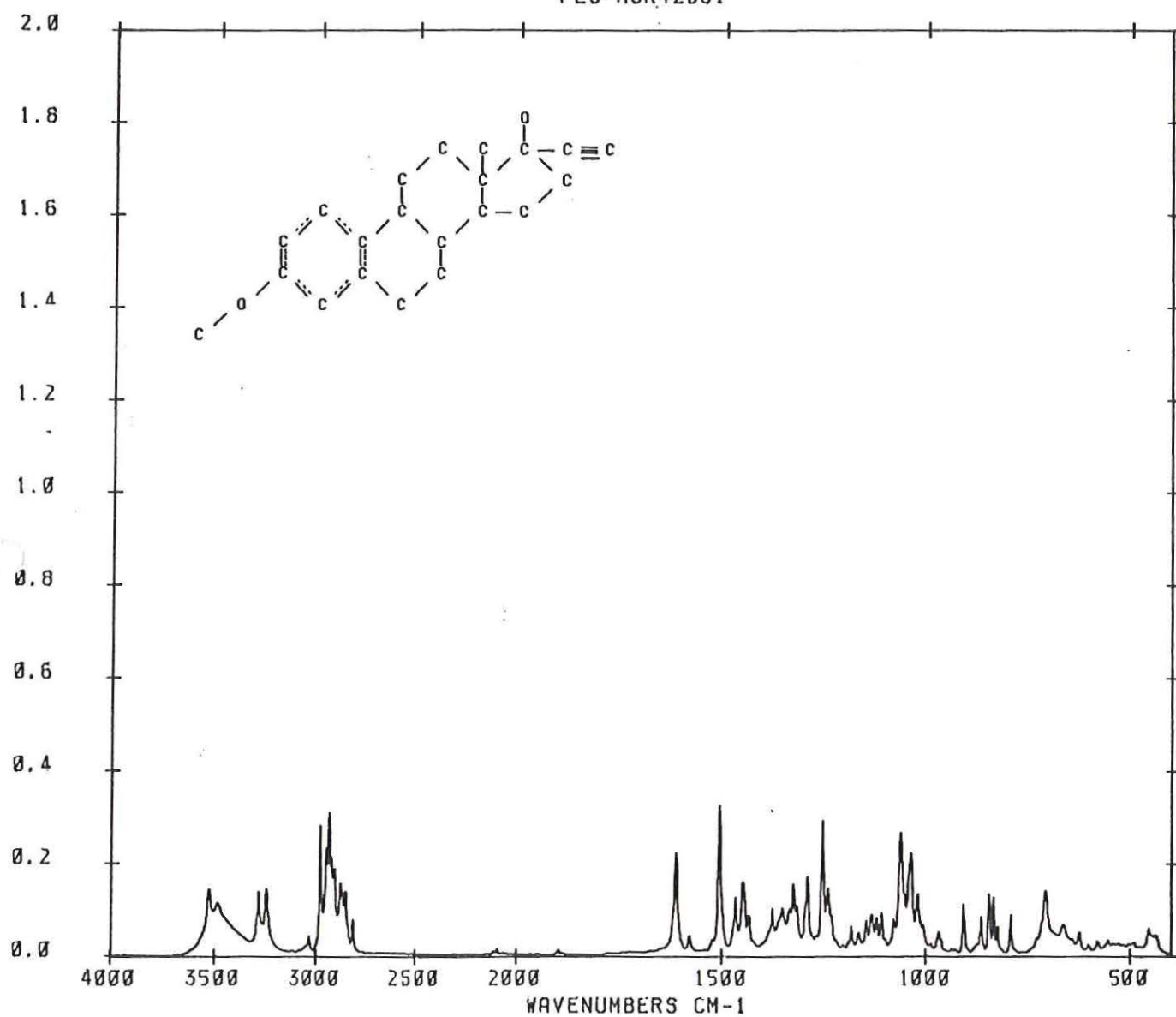
PEAK TABLE FILE : HOR42031

59 PEAKS.

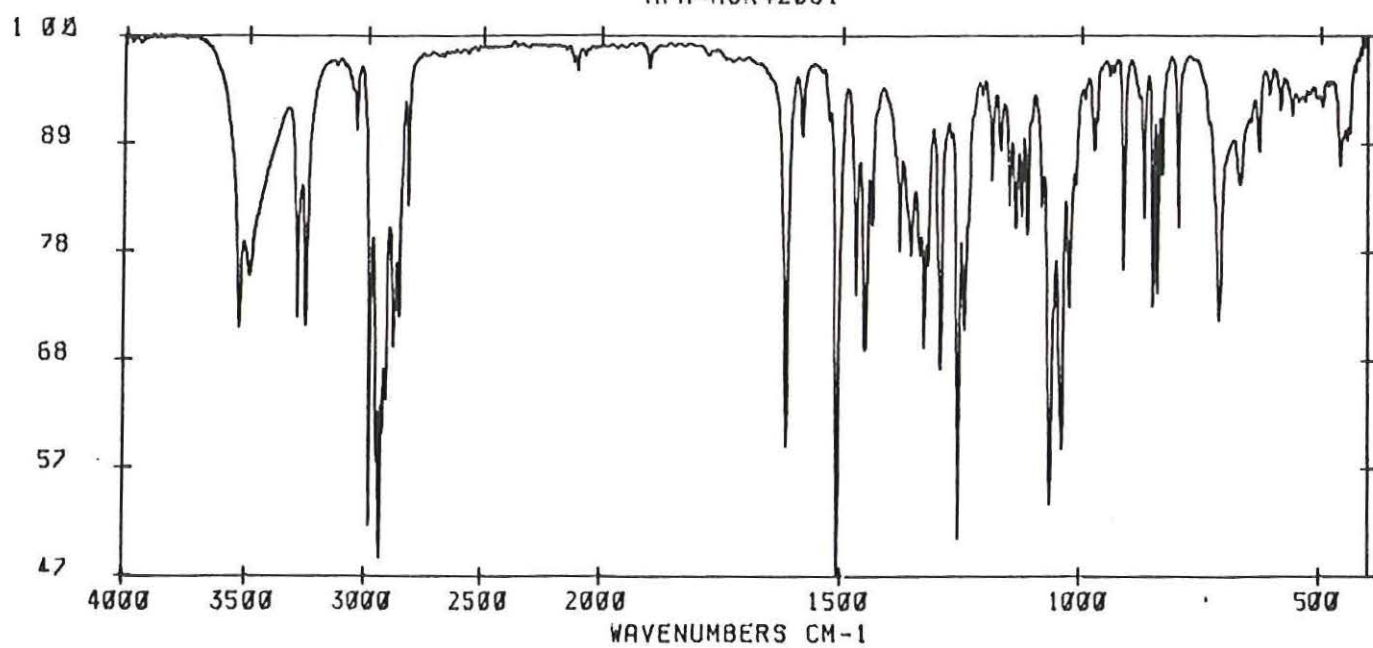
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	455.176	18.9	12
2	489.893	9.46	15
3	551.611	10.66	14
4	575.720	10.0	12
5	597.900	7.85	12
6	620.081	15.87	9
7	657.690	20.79	25
8	702.051	43.22	18
9	788.843	27.47	4
10	822.595	19.31	7
11	833.203	38.56	4
12	843.811	40.87	7
13	862.134	26.14	7
14	904.565	34.36	5
15	933.496	5.26	29
16	967.249	15.60	15
17	986.536	8.34	14
18	1005.823	20.86	11
19	1019.324	40.77	13
20	1035.718	68.58	14
21	1061.755	81.30	11
22	1078.149	24.28	10
23	1109.009	28.58	7
24	1120.581	25.75	8
25	1133.118	27.58	14
26	1145.654	24.1	8
27	1164.941	15.64	11
28	1183.264	20.6	8
29	1203.516	7.83	15
30	1242.090	45.0	21
31	1254.626	89.89	6
32	1291.272	52.32	10
33	1317.310	33.74	11
34	1325.024	48.17	8
35	1333.704	32.27	17
36	1352.026	32.8	22
37	1377.100	31.38	9
38	1433.997	27.4	10
39	1449.426	48.74	13
40	1466.785	38.73	10
41	1506.323	100.0	7
42	1523.682	11.55	14
43	1579.614	13.63	8
44	1612.402	68.7	9
45	1896.887	4.41	9
46	2093.616	4.62	31
47	2812.061	23.97	10
48	2849.670	42.71	16
49	2873.779	48.12	36
50	2906.567	58.36	18
51	2921.033	65.38	26
52	2932.605	95.19	14
53	2945.142	71.93	19
54	2978.894	87.0	11
55	3035.791	12.87	15
56	3249.878	44.34	19
57	3287.488	42.88	16
58	3483.252	35.38	128
59	3524.719	44.59	33

FLS=HOR42031



AFA=HOR42031

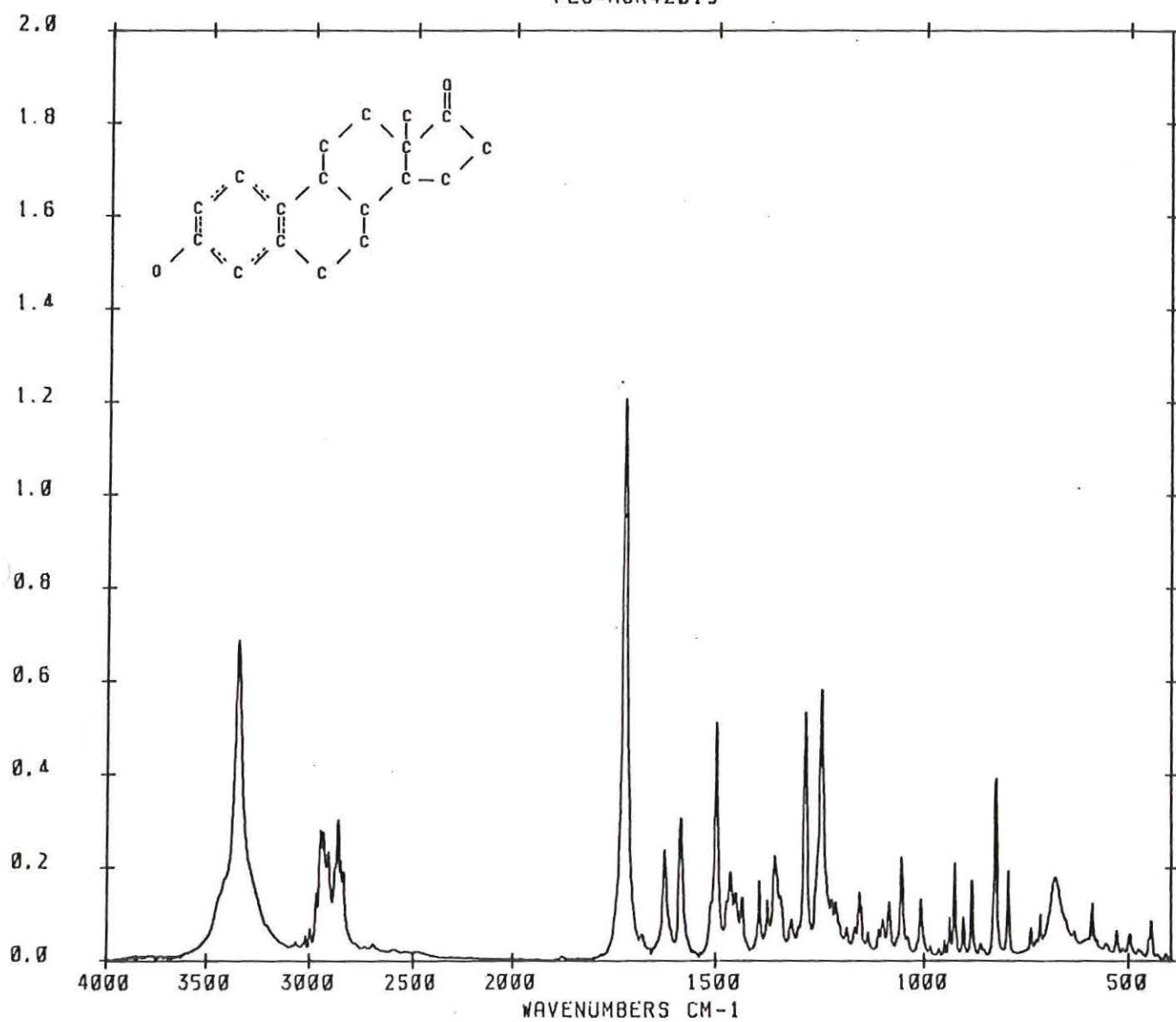


COMPOUND NAME: ESTRONE
 SYSTEMATIC NAME: 1,3,5(10)-ESTRATRIEN-3-OL-17-ONE
 CA NAME: ESTRA-1,3,5(10)-TRIEN-17-ONE,3 HYDROXY
 CAS NUMBER: 53-16-7
 MERCK INDEX NO (10 ED): 3655
 STERALIDS NUMBER: E 2300
 MOLECULAR FORMULE: C18H22O2
 MOLECULAR WEIGHT: 270.4
 MELTING POINT: 251-254
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: ESTROL,KESTRONE,NENFORMON,DESTRONE
 MANUFACTURER: MERCK
 MANUFACTURER REFERENCE: 8966
 CHARGE NUMBER: 9009821
 FLS: HOR42015

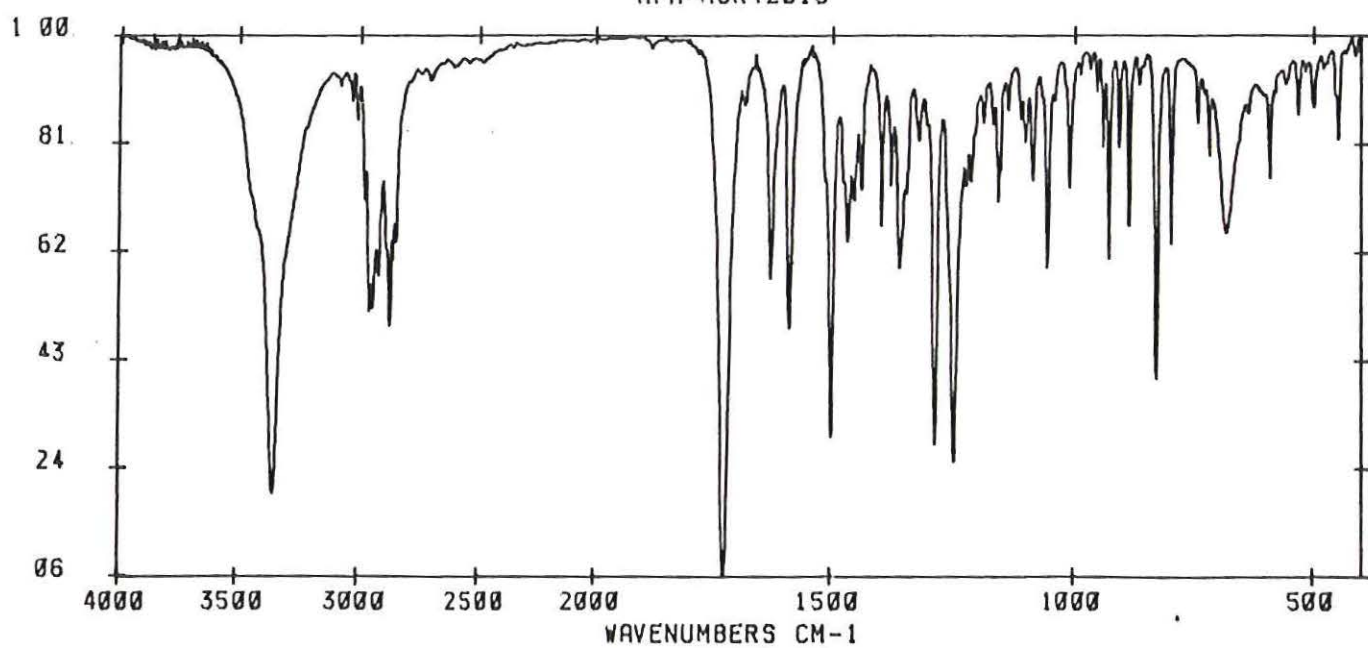
PEAK TABLE FILE : HOR42015

PEAKS.			
SENSITIVITY: 90			
NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	446.497	7.5	10
2	495.679	4.73	10
3	526.538	5.28	7
4	585.364	10.21	6
5	673.120	14.98	38
6	709.766	8.26	6
7	732.910	5.84	7
8	787.878	15.95	5
9	818.738	32.39	7
10	855.383	3.11	11
11	876.599	14.29	5
12	897.815	7.68	6
13	919.995	17.51	6
14	932.532	7.68	7
15	946.033	3.63	7
16	1007.751	10.90	9
17	1055.005	18.46	7
18	1085.864	10.36	9
19	1100.330	7.26	12
20	1110.937	5.61	8
21	1136.975	4.94	11
22	1157.227	12.14	10
23	1168.799	5.94	10
24	1189.050	5.80	12
25	1214.124	10.40	14
26	1223.767	10.75	14
27	1249.805	48.21	12
28	1287.415	44.28	9
29	1321.167	7.16	14
30	1360.706	18.49	22
31	1378.064	10.72	7
32	1396.387	14.24	6
33	1436.890	11.5	9
34	1452.319	11.97	14
35	1464.856	15.77	15
36	1498.608	42.50	9
37	1584.436	25.45	11
38	1621.082	19.60	11
39	1719.446	100.0	14
40	2841.956	15.87	25
41	2853.528	17.66	20
42	2866.064	25.16	22
43	2912.354	19.32	28
44	2935.498	22.99	25
45	2949.963	23.31	17
46	2969.250	12.2	15
47	2998.181	5.67	14
48	3020.361	4.41	14
49	3345.349	57.2	48

FLS=HOR42015



AFA=HOR42015



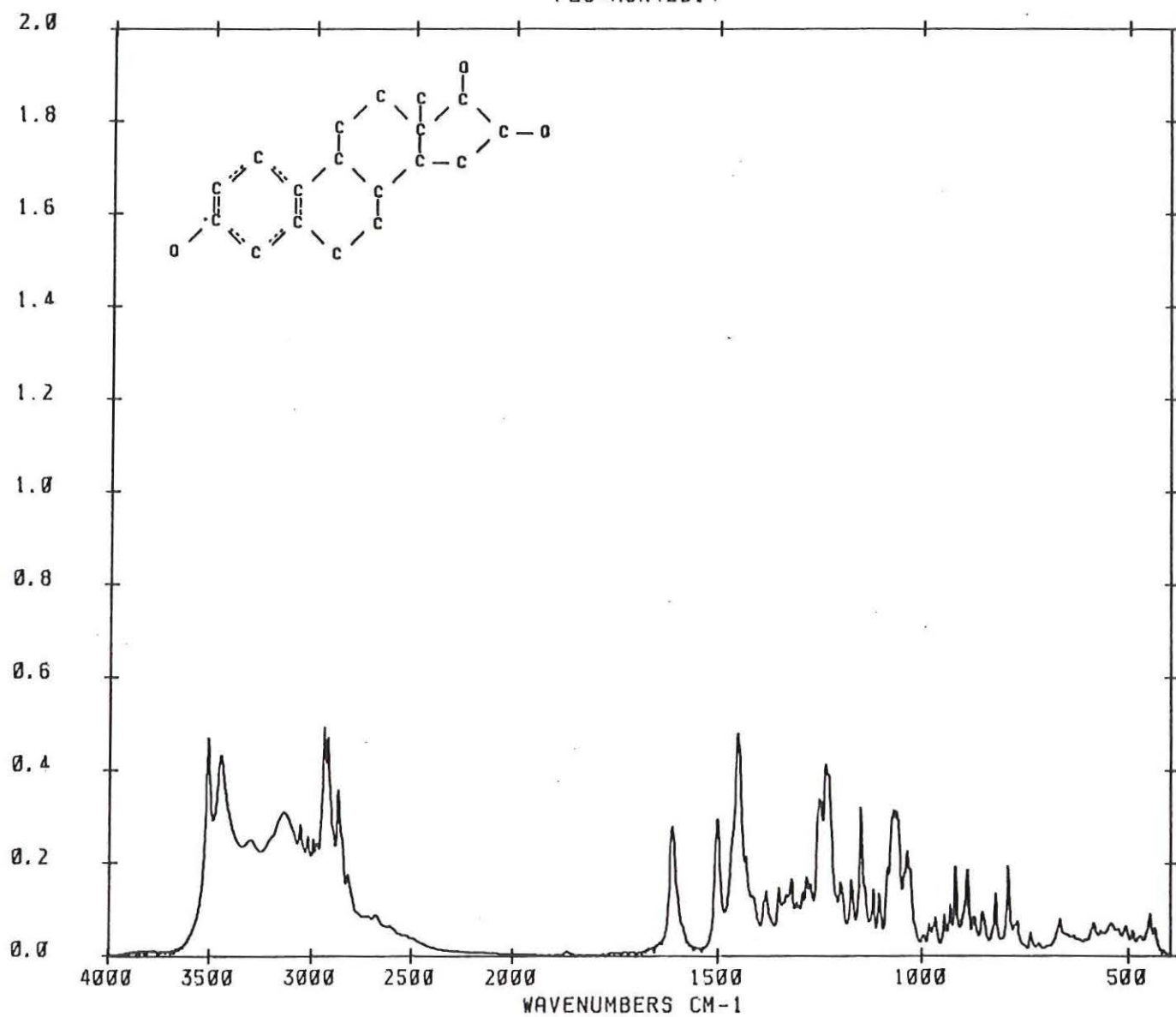
COMPOUND NAME: ESTRIOL
 SYSTEMATIC NAME: ESTRA-1,3,5(10)-TRIENE-3,16,17 TRIOL
 CA NAME: ESTRA-1,3,5(10)-TRIENE-3,16,17-TRIOL(16 ALPHA, 17 BETA)
 CAS NUMBER: 50-27-1
 MERCK INDEX NO (10 ED): 3654
 STERALIDS NUMBER: E 2600
 MOLECULAR FORMULE: C18H24O3
 MOLECULAR WEIGHT: 288.39
 MELTING POINT: 282
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: TRIHYDROXYESTRIN, ACEFIMINE, OVESTIN, OVESTERIN
 MANUFACTURER: MERCK
 MANUFACTURER REFERENCE: 3727
 CHARGE NUMBER: 8563028
 FLS: HOR42014

PEAK TABLE FILE : HOR42014
 65 PEAKS.

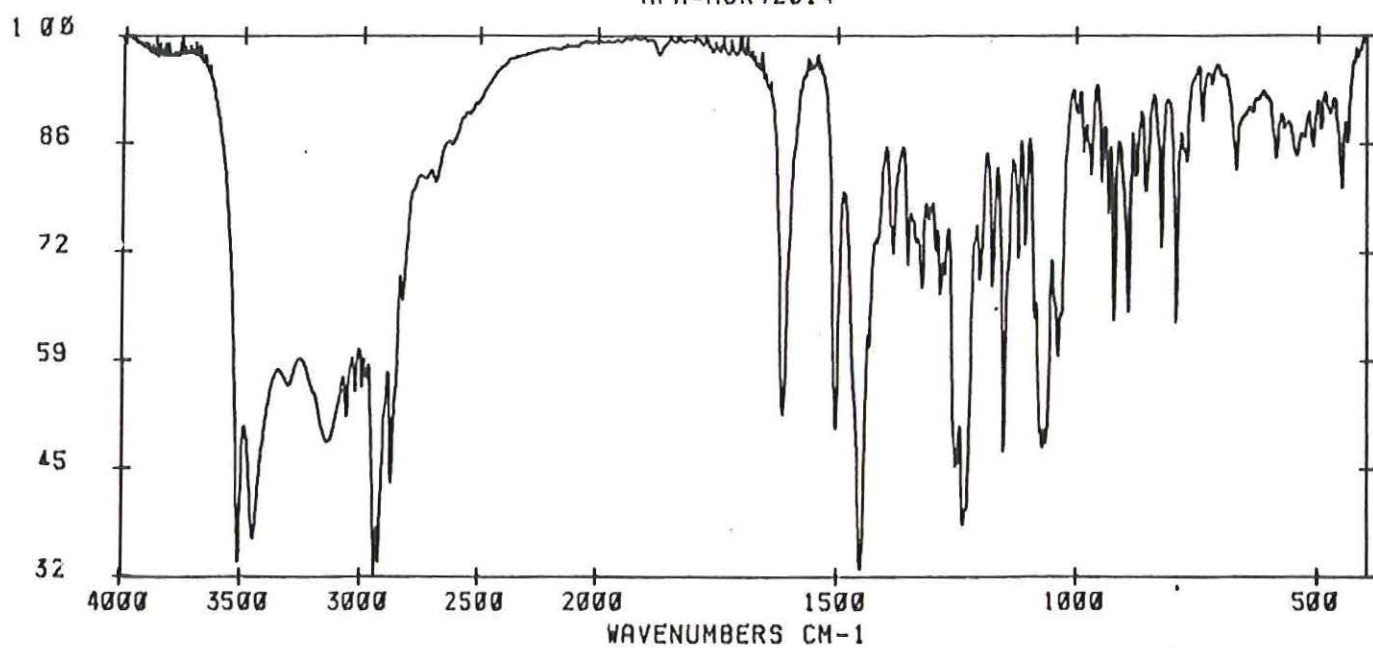
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	437.817	12.51	6
2	448.425	18.57	12
3	489.893	10.87	11
4	506.287	13.9	18
5	539.075	14.29	55
6	582.471	14.53	20
7	661.548	16.15	17
8	712.659	5.50	15
9	731.946	9.95	9
10	764.734	15.5	12
11	786.914	39.15	8
12	817.773	27.7	9
13	850.562	19.12	15
14	870.813	17.0	18
15	886.243	37.37	11
16	917.102	38.90	8
17	927.710	22.26	9
18	943.140	17.82	10
19	964.355	16.79	13
20	979.785	13.80	10
21	992.322	8.92	22
22	1033.789	45.18	26
23	1061.755	62.97	28
24	1067.542	63.74	33
25	1083.936	38.56	10
26	1103.223	26.72	11
27	1117.688	28.75	8
28	1148.547	64.81	10
29	1173.621	33.12	14
30	1200.623	32.2	24
31	1238.232	83.70	38
32	1253.662	68.40	19
33	1274.878	31.29	18
34	1284.521	34.28	15
35	1294.165	27.67	17
36	1308.630	22.94	30
37	1322.131	33.55	16
38	1352.991	29.81	12
39	1383.850	27.97	18
40	1433.997	43.35	20
41	1452.319	97.37	22
42	1501.501	59.73	15
43	1556.470	3.88	28
44	1610.474	56.57	19
45	1656.763	3.91	24
46	1686.658	2.20	9
47	1698.230	1.60	3
48	1722.339	2.16	37
49	1758.984	1.76	34
50	1866.992	2.22	17
51	2678.015	17.68	299
52	2818.911	35.35	73
53	2866.064	72.27	38
54	2919.104	95.6	46
55	2937.427	100.0	27
56	2971.179	49.13	115
57	2992.395	50.95	40
58	3019.397	51.90	46
59	3055.078	57.7	47
60	3138.013	62.61	242
61	3299.060	50.70	281
62	3444.678	87.66	86
63	3507.361	95.5	33
64	3787.988	2.35	71
65	3859.351	2.18	21

FLS=HOR42014



AFA=HOR42014



COMPOUND NAME: EQUILIN
 SYSTEMATIC NAME: 3-HYDROXYESTRA-1,2,5(10),7-TETRAEN-17-ONE
 CA NAME: ESTRA-1,3,5(10),7-TETRAEN-17-ONE 3-HYDROXY
 CAS NUMBER: 474-86-2
 MERCK INDEX NO (10 ED): 3580
 STERALDIDS NUMBER: E 600
 MOLECULAR FORMULE: C18H20O2
 MOLECULAR WEIGHT: 268.3
 MELTING POINT: 241-241.5
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SERVA
 MANUFACTURER REFERENCE: 21055
 FLS: HOR42054

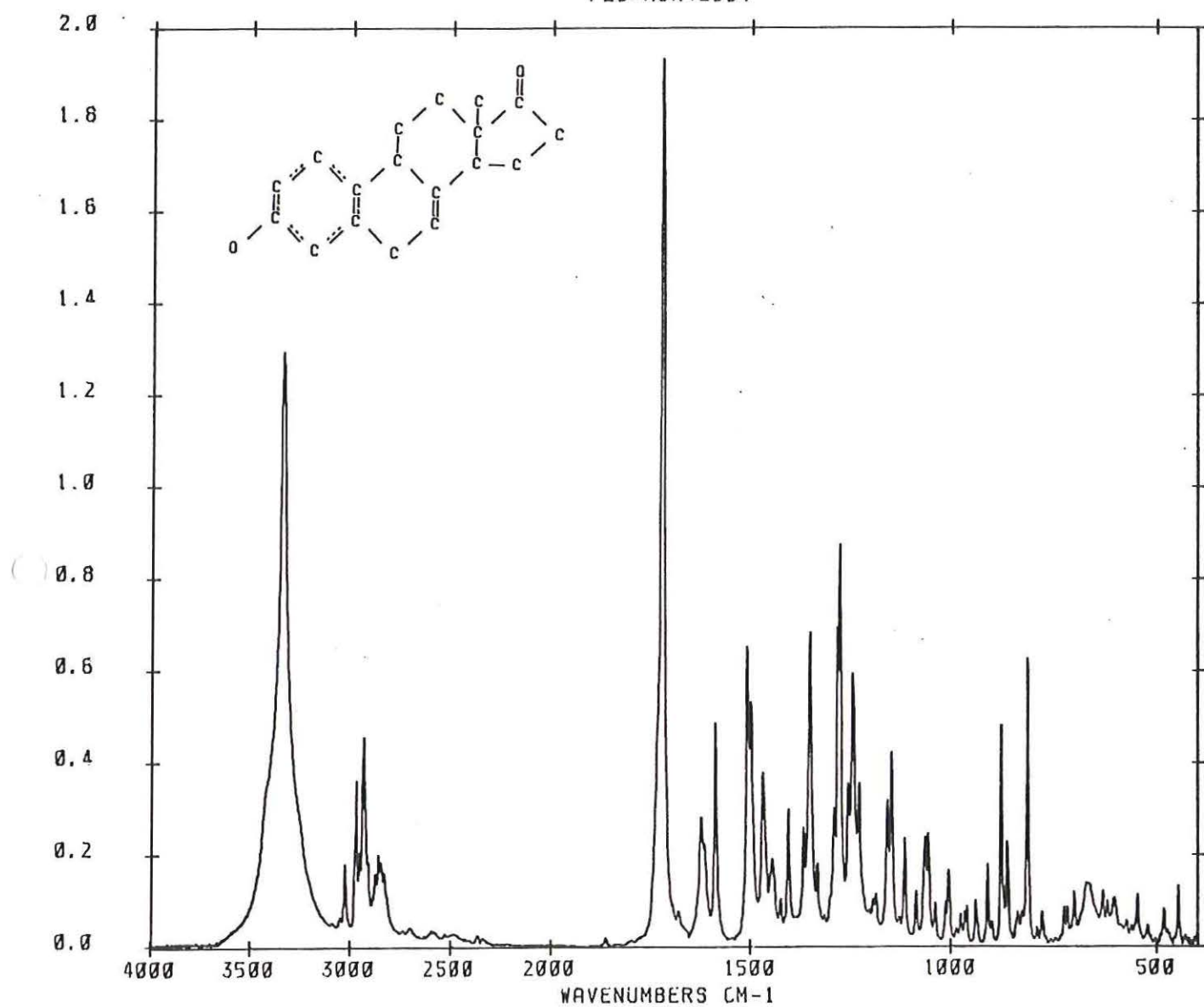
PEAK TABLE FILE : HOR42054

55 PEAKS.

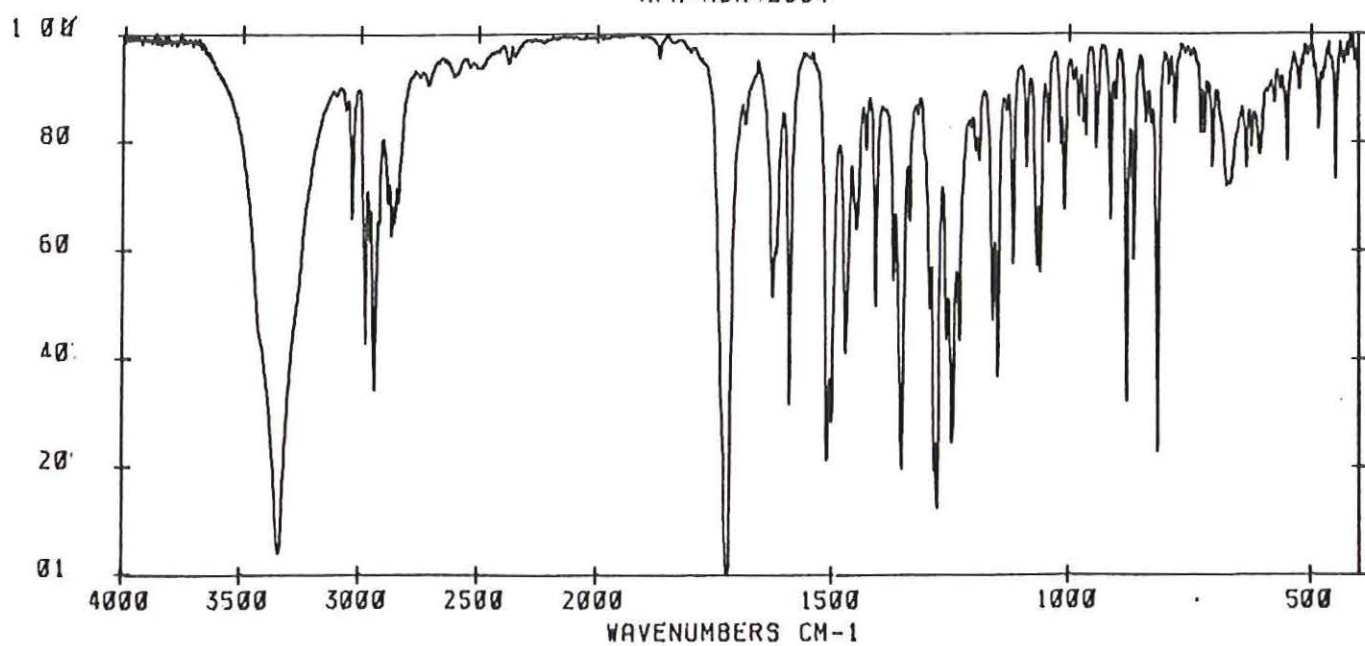
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	447.461	6.87	4
2	482.178	4.24	6
3	520.752	2.36	8
4	545.825	5.87	6
5	600.793	5.54	16
6	617.187	5.15	9
7	627.795	6.27	9
8	667.334	7.26	34
9	696.265	6.24	7
10	712.659	4.48	5
11	720.374	4.49	5
12	774.377	3.92	8
13	786.914	2.17	6
14	810.059	32.39	5
15	834.167	3.91	10
16	859.241	11.82	5
17	874.670	24.93	5
18	908.423	9.26	5
19	937.354	5.22	5
20	964.355	3.93	12
21	973.999	3.70	7
22	1003.894	8.62	6
23	1011.609	5.5	6
24	1037.646	4.93	6
25	1055.969	12.82	9
26	1063.684	12.37	10
27	1086.829	6.24	8
28	1114.795	12.21	7
29	1147.583	21.94	8
30	1158.191	16.58	10
31	1187.122	5.85	12
32	1230.518	18.39	10
33	1245.947	30.72	11
34	1257.520	18.37	8
35	1277.771	45.25	7
36	1284.521	35.95	6
37	1294.165	15.70	6
38	1335.632	9.35	8
39	1353.955	35.41	10
40	1369.385	13.48	8
41	1406.995	15.47	7
42	1426.282	5.28	10
43	1446.533	9.88	19
44	1469.678	19.65	11
45	1499.573	27.60	12
46	1509.216	33.82	6
47	1588.293	25.21	6
48	1623.010	14.62	20
49	1719.446	100.0	12
50	2858.350	10.33	53
51	2929.712	23.60	20
52	2948.999	10.64	17
53	2967.322	18.78	14
54	3024.219	9.25	11
55	3336.670	67.4	49

FLS=HOR42054



AFA=HOR42054



COMPOUND NAME: EQUILENIN
 SYSTEMATIC NAME: 3-HYDROXYESTRA-1,3,5,7,9-PENTAEN-17-ONE
 CA NAME: ESTRA-1,3,5,7,9-PENTAEN-17-ONE,3-HYDROXY
 CAS NUMBER: 517-09-9
 MERCK INDEX NO (10 ED): 3579
 STERALIDS NUMBER: E 400
 MOLECULAR FORMULE: C18H18O2
 MOLECULAR WEIGHT: 266.3
 MELTING POINT: 248-252
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SERVA
 MANUFACTURER REFERENCE: 21058
 FLS: HOR42055

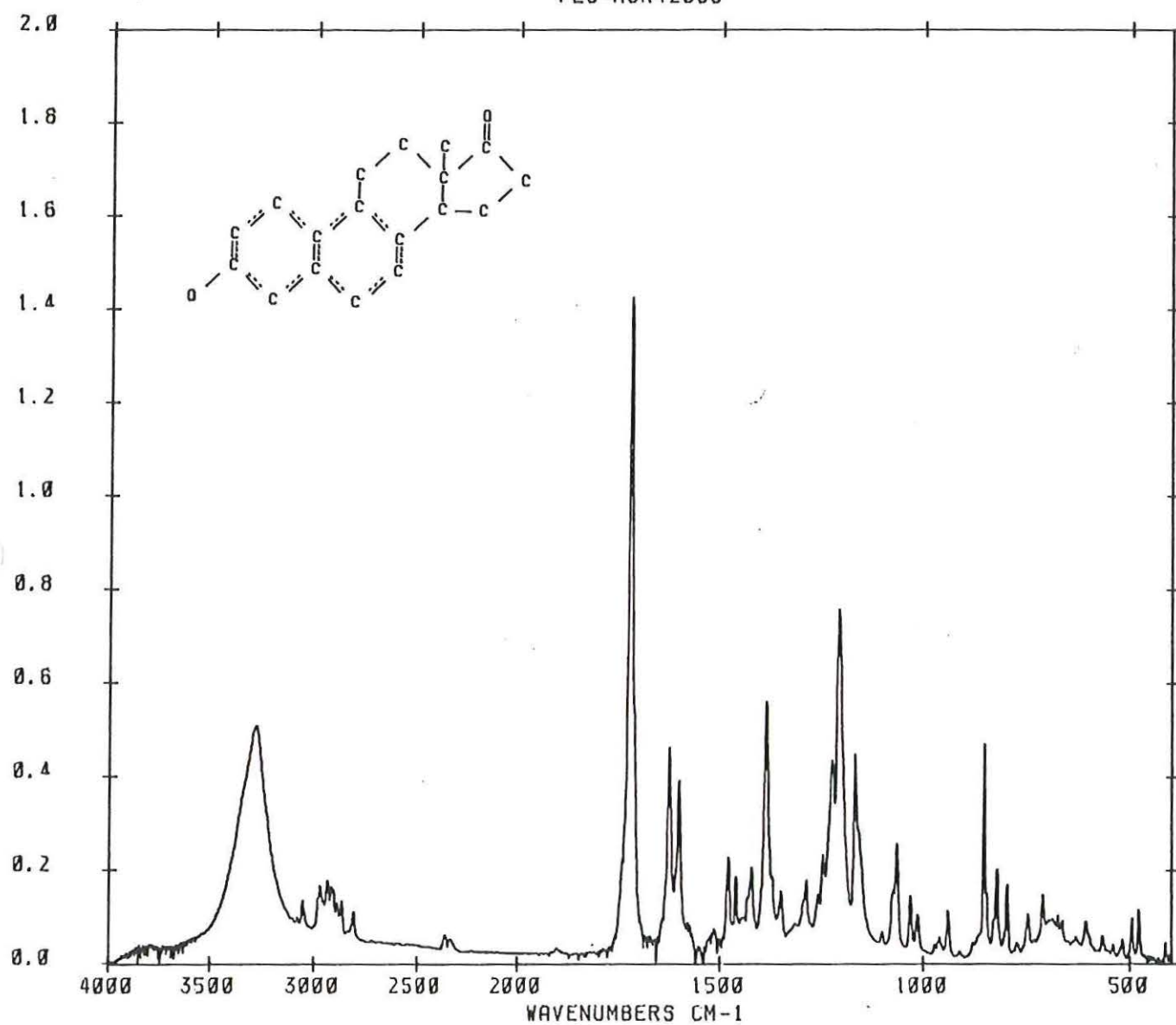
PEAK TABLE FILE : HOR42055

53 PEAKS.

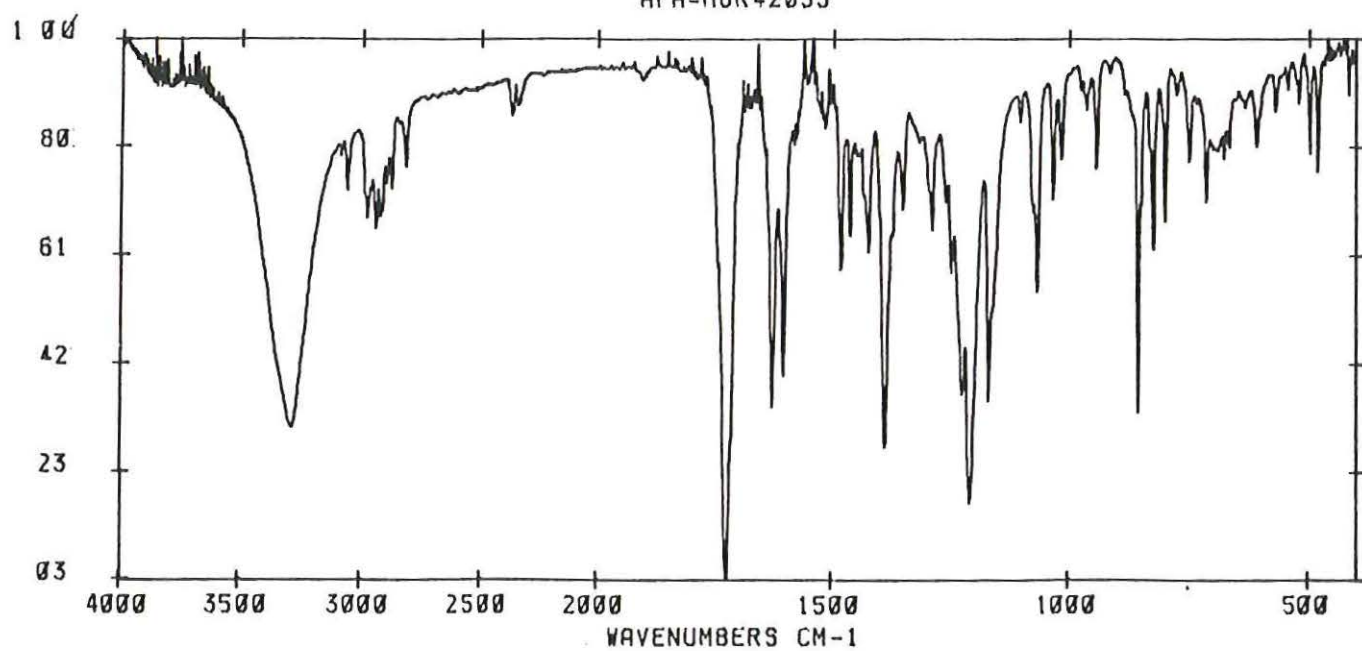
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	415.637	3.16	4
2	478.320	8.18	5
3	494.714	6.92	6
4	515.930	3.67	6
5	564.148	4.18	40
6	601.758	6.43	14
7	668.298	7.23	38
8	704.944	10.39	11
9	741.589	7.48	11
10	769.556	3.19	13
11	792.700	11.91	6
12	816.809	14.21	9
13	848.633	33.9	5
14	938.318	7.95	7
15	958.569	4.5	14
16	1013.538	7.30	11
17	1030.896	10.22	9
18	1065.613	18.7	16
19	1100.330	4.82	13
20	1168.799	31.44	18
21	1208.337	53.18	17
22	1224.731	30.55	23
23	1248.840	16.34	12
24	1260.413	10.41	17
25	1289.343	12.58	18
26	1352.026	10.93	14
27	1388.672	39.38	14
28	1423.389	14.48	14
29	1460.034	13.7	8
30	1480.286	16.5	11
31	1503.430	3.75	17
32	1514.038	5.19	19
33	1523.682	4.25	19
34	1552.612	2.55	14
35	1598.901	27.59	11
36	1622.046	32.39	11
37	1667.371	3.99	31
38	1681.836	4.16	19
39	1716.553	100.0	12
40	1783.093	2.27	30
41	1899.780	2.36	83
42	2362.671	4.39	73
43	2813.025	7.82	26
44	2869.922	9.37	16
45	2919.104	11.54	57
46	2935.498	12.49	29
47	2972.144	11.65	37
48	3052.185	9.50	25
49	3280.737	35.79	167
50	3683.838	2.67	19
51	3729.163	2.71	80
52	3847.778	2.77	154
53	3859.351	2.51	21

FLS=HOR42055



AFA=HOR42055



COMPOUND NAME: 17 BETA-TESTOSTERONE
 SYSTEMATIC NAME: DELTA 4-ANDROSTEN-17 BETA-OL-3-ONE
 CA NAME: ANDROST-4-EN-3 ONE, 17 HYDROXY-, (17 BETA)
 CAS NUMBER: 58-22-0
 MERCK INDEX NO (10 ED): 9000
 STERALIDS NUMBER: A 6950
 MOLECULAR FORMULE: C19H28O2
 MOLECULAR WEIGHT: 288.4
 MELTING POINT: 155
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: MALESTRONE, ORQUISTERONE, PRIMOTEST, PRIMOTESTON
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: T-1500
 CHARGE NUMBER: 63F-0616
 FLS: HOR42020

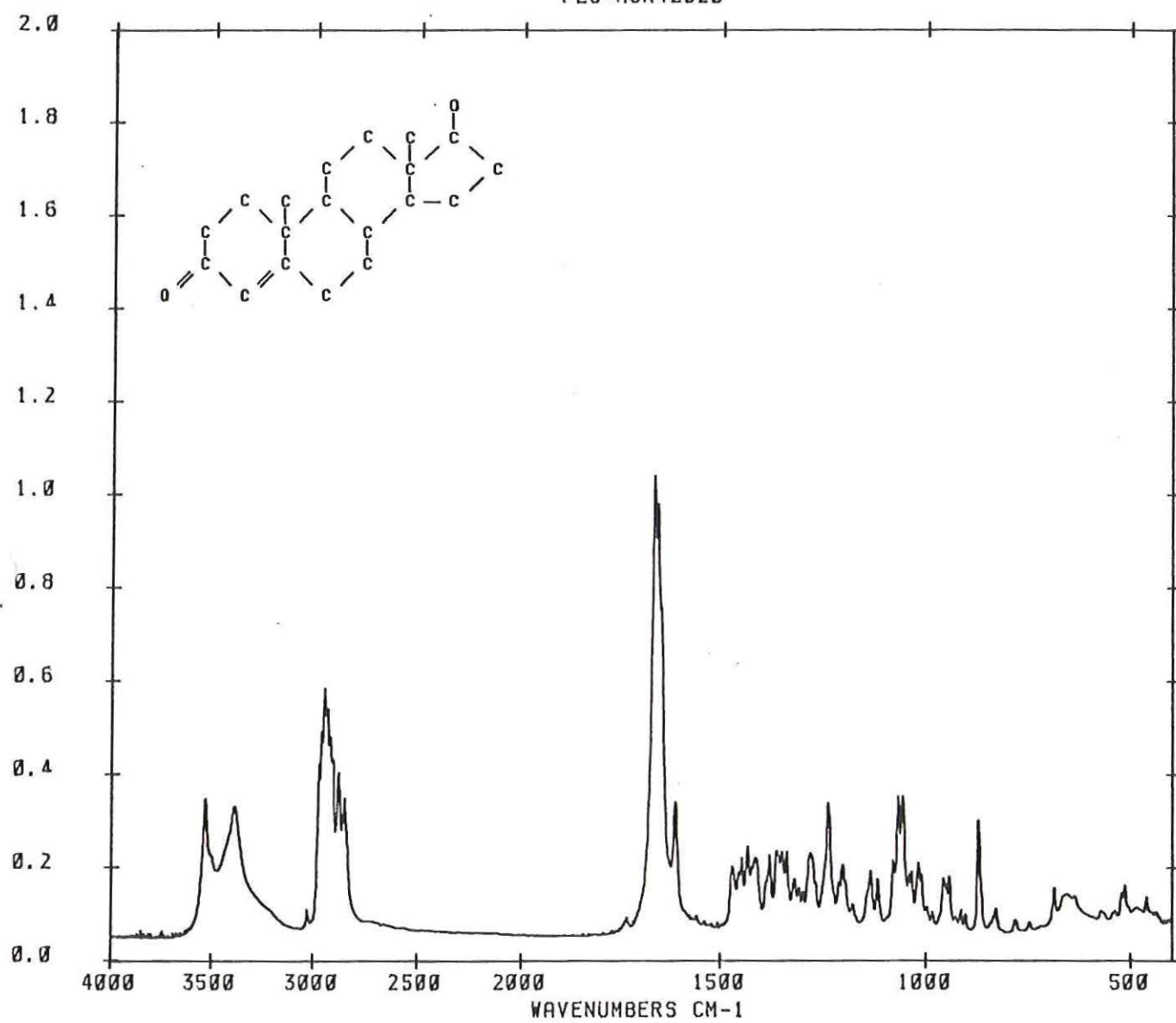
PEAK TABLE FILE : HOR42020

51 PEAKS.

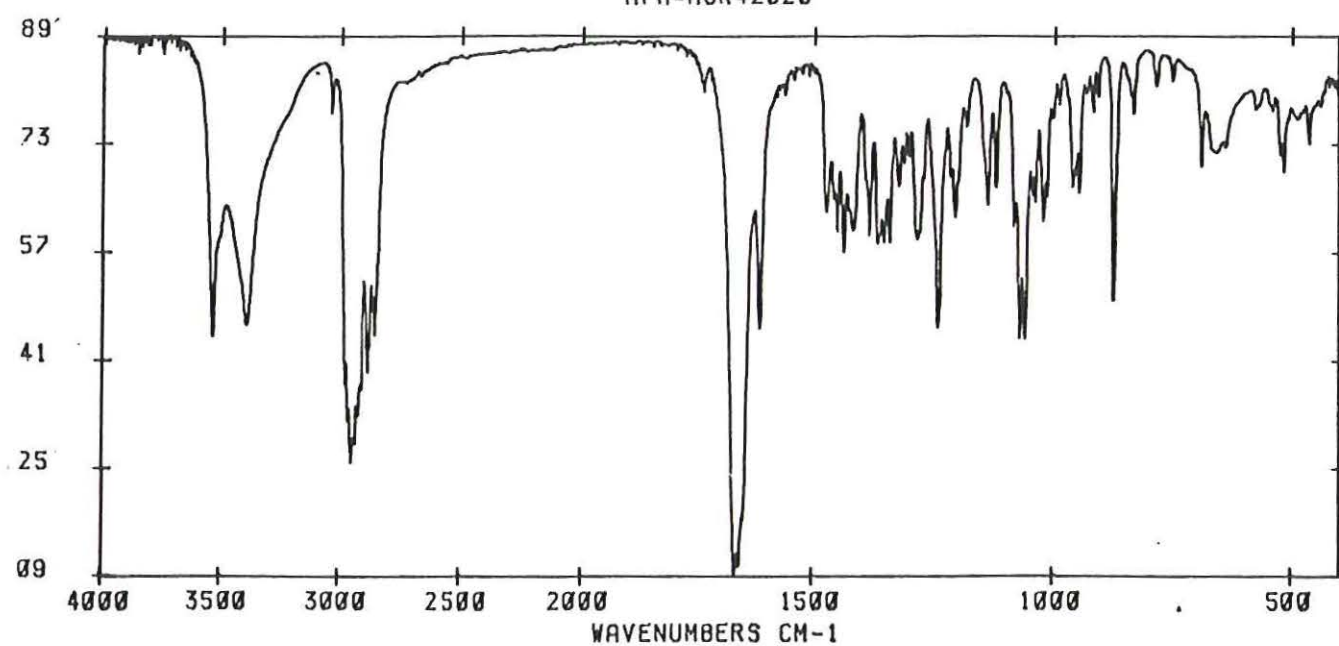
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	460.962	8.66	8
2	513.037	11.10	22
3	569.934	5.73	34
4	651.904	9.43	71
5	684.692	10.69	10
6	746.411	3.35	11
7	781.128	3.84	12
8	828.381	6.10	14
9	869.849	25.42	7
10	902.637	4.71	8
11	913.245	5.86	8
12	943.140	13.26	12
13	956.641	12.69	10
14	983.643	5.32	12
15	1017.395	16.15	20
16	1033.789	14.17	11
17	1040.540	13.54	12
18	1055.969	30.56	14
19	1066.577	30.56	10
20	1078.149	16.71	8
21	1113.831	12.66	10
22	1131.189	14.40	16
23	1174.585	7.15	18
24	1198.694	15.69	19
25	1233.411	29.5	13
26	1276.807	18.17	26
27	1294.165	9.86	15
28	1303.809	10.46	14
29	1315.381	12.55	18
30	1334.668	18.47	9
31	1346.240	18.43	18
32	1359.741	18.53	12
33	1378.064	17.77	18
34	1412.781	17.21	24
35	1432.068	19.60	14
36	1445.569	17.30	12
37	1469.678	15.25	14
38	1612.402	29.22	15
39	1657.727	93.83	33
40	1666.406	100.0	14
41	1733.911	4.29	25
42	2846.777	30.15	35
43	2856.421	26.50	31
44	2877.637	35.61	37
45	2916.211	43.43	61
46	2944.177	54.14	71
47	2958.643	44.83	17
48	2969.250	37.65	21
49	3027.112	6.5	15
50	3383.923	28.55	99
51	3529.541	30.21	33

FLS=HOR42020



AFA=HOR42020



COMPOUND NAME: 17 ALPHA TESTOSTERONE, EPI-TESTOSTERONE
 SYSTEMATIC NAME: 17 ALPHA-HYDROXYANDROST-4-EN-3-ONE
 CA NAME: ANDROST-4-EN-3-ONE, 17 HYDROXY-(17 ALPHA)
 CAS NUMBER: 481-30-1
 MOLECULAR FORMULE: C19H28O2
 MOLECULAR WEIGHT: 288.4
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: ORGANON
 FLS: HOR42101

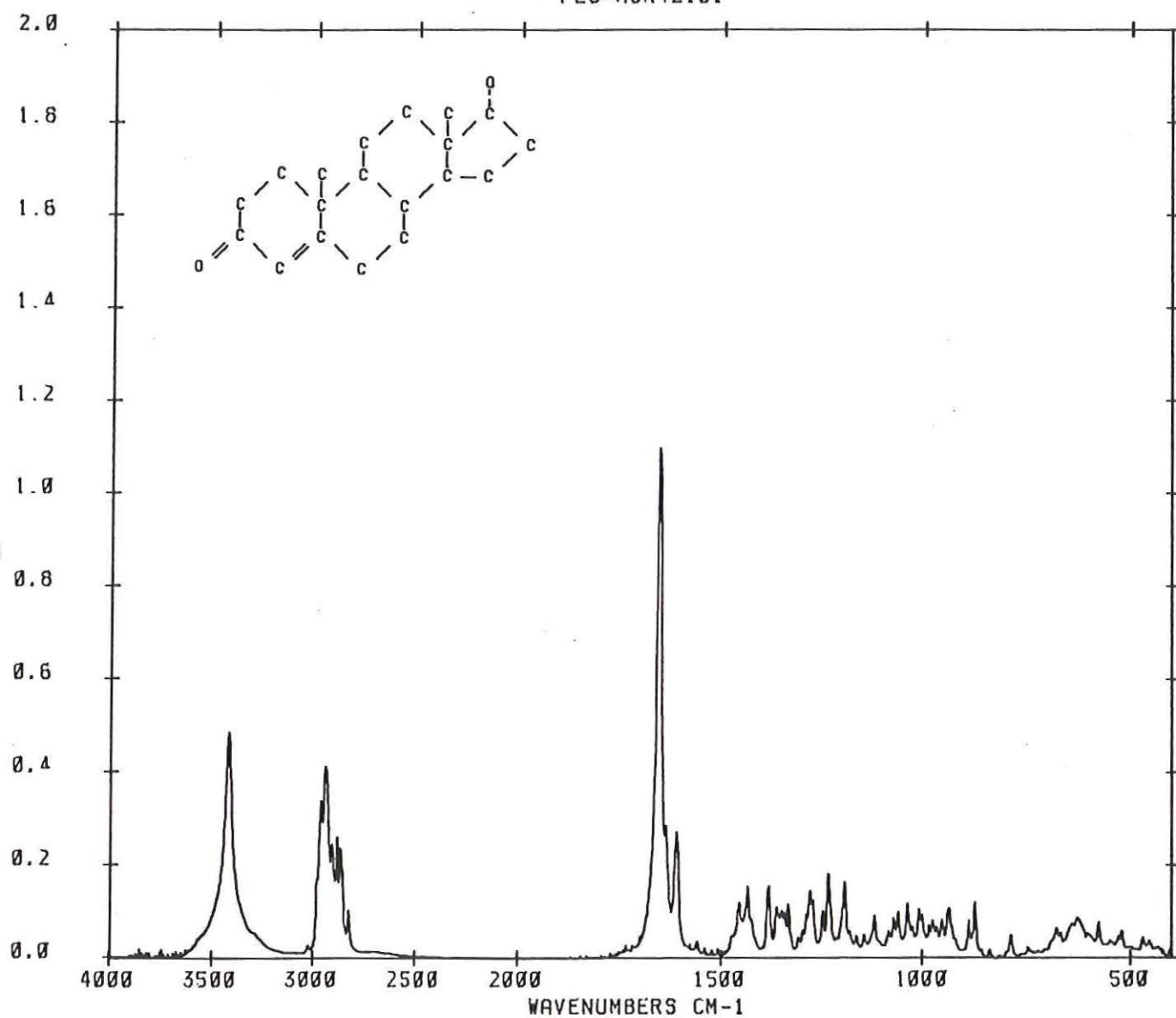
PEAK TABLE FILE : HOR42101

45 PEAKS.

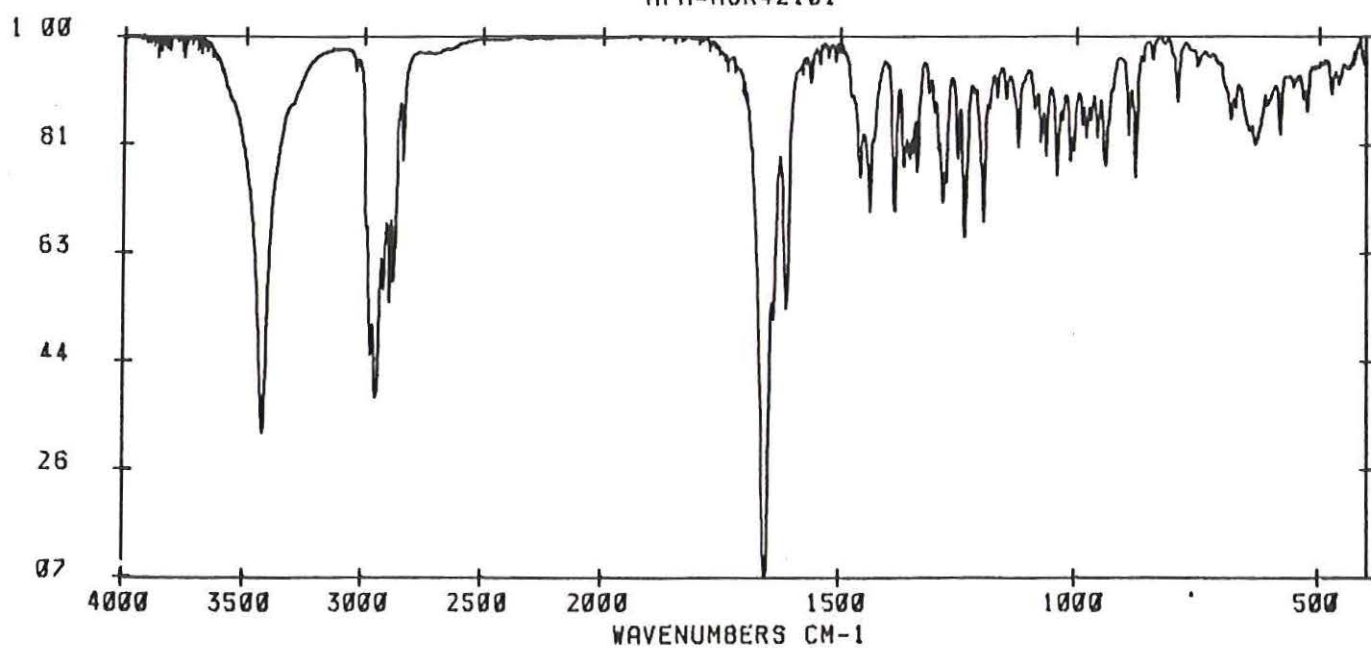
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	468.677	4.0	10
2	517.859	5.32	9
3	573.792	7.11	9
4	622.974	7.97	53
5	674.084	5.92	29
6	783.057	4.59	8
7	835.132	1.57	7
8	871.777	10.83	7
9	887.207	7.28	9
10	934.460	9.79	18
11	950.854	7.40	12
12	973.035	7.46	25
13	981.714	6.45	13
14	1006.787	9.41	17
15	1034.753	10.65	13
16	1057.898	8.96	10
17	1069.470	7.82	12
18	1082.007	5.20	12
19	1115.759	8.32	10
20	1140.833	4.47	11
21	1159.155	4.30	11
22	1189.050	14.95	12
23	1230.518	16.49	12
24	1244.019	9.25	9
25	1275.842	13.8	23
26	1329.846	10.32	9
27	1347.205	9.25	31
28	1359.741	9.92	12
29	1379.993	13.97	11
30	1432.068	13.92	11
31	1453.284	10.76	15
32	1506.323	1.65	4
33	1559.363	3.16	6
34	1609.509	24.61	13
35	1635.547	25.90	14
36	1653.870	100.0	16
37	2823.633	9.27	14
38	2865.100	21.36	35
39	2880.530	23.67	14
40	2904.639	22.22	27
41	2939.355	37.62	37
42	2958.643	30.91	29
43	3418.640	44.28	48
44	3744.592	1.47	2
45	3854.529	1.46	56

FLS=H0R42101



AFA=H0R42101



COMPOUND NAME: TESTOSTERONE-ACETATE
 CA NAME: ANDROST-4-EN-3-ONE,17-(ACETYLOXY),(17 BETA)
 CAS NUMBER: 1045-69-8
 MERCK INDEX NO (10 ED): 9000
 STERALIDS NUMBER: A 6951
 MOLECULAR FORMULE: C21H30O3
 MOLECULAR WEIGHT: 330.4
 MELTING POINT: 140-141
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 NG / 100 MG KBR
 COMMERCIAL NAME: ACETO-STERANDRYL, ACETO-TESTOVIRON
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: T-1625
 CHARGE NUMBER: 23F-0270
 FLS: HOR42029

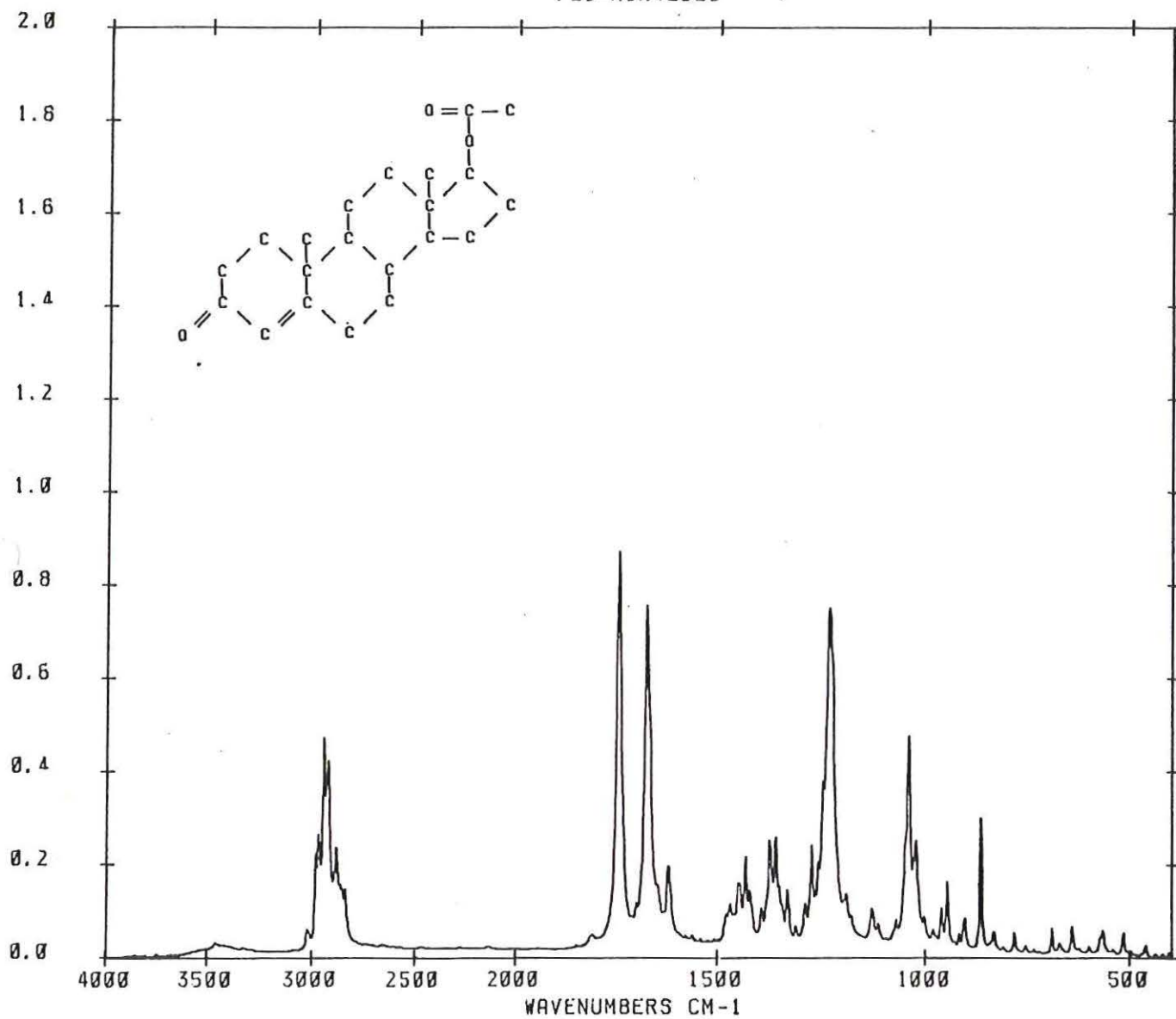
PEAK TABLE FILE : HOR42029

48 PEAKS.

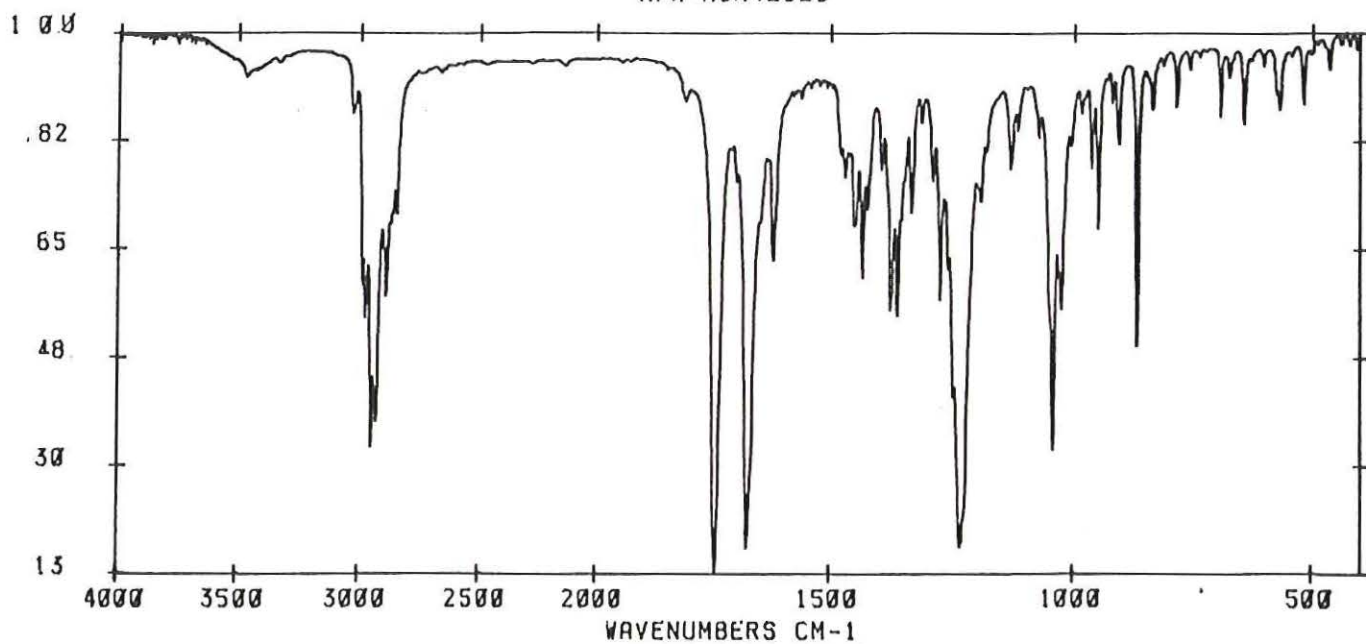
SENSITIVITY: 90

	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	460.962	2.98	8
2	514.001	6.3	7
3	561.255	6.51	15
4	594.043	2.62	9
5	634.546	7.77	8
6	667.334	3.62	11
7	685.657	7.15	5
8	751.233	2.93	10
9	780.164	6.22	6
10	831.274	6.41	11
11	863.098	34.56	5
12	901.672	9.71	10
13	915.173	5.87	9
14	945.068	18.56	7
15	959.534	12.7	8
16	979.785	6.78	15
17	1022.217	28.83	15
18	1040.540	54.66	13
19	1071.399	9.9	14
20	1114.795	8.34	17
21	1129.260	12.9	14
22	1190.015	15.52	31
23	1232.446	86.6	22
24	1246.912	43.43	10
25	1256.555	23.62	14
26	1273.914	27.73	10
27	1289.343	13.35	12
28	1312.488	7.75	13
29	1332.739	16.84	12
30	1361.670	29.85	11
31	1377.100	29.8	16
32	1395.422	12.32	13
33	1423.389	16.55	22
34	1433.032	24.77	9
35	1449.426	18.42	21
36	1469.678	13.1	33
37	1618.188	22.48	14
38	1672.192	86.55	17
39	1740.662	100.0	14
40	2839.062	16.93	26
41	2881.494	27.3	27
42	2921.033	48.32	22
43	2929.712	44.24	33
44	2942.249	54.10	15
45	2968.286	30.37	30
46	2979.858	25.64	12
47	3021.326	6.84	15
48	3456.250	3.68	196

FLS=HOR42029



AFA=HOR42029



COMPOUND NAME: TESTOSTERONE PROPIONATE
 SYSTEMATIC NAME: DELTA 4-ANDROSTENE-17 BETA-PROPIONATE-3-ONE
 CA NAME: ANDROST-4-EN-3-ONE, 17-(1-OXOPROPOXY)-, (17 BETA)
 CAS NUMBER: 57-85-2
 MERCK INDEX NO (10 ED): 9006
 STERALDOIDS NUMBER: A-7000
 MOLECULAR FORMULE: C22H32O3
 MOLECULAR WEIGHT: 344
 MELTING POINT: 118-122
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: T-1875
 CHARGE NUMBER: 13F-0754
 FLS: HOR42028

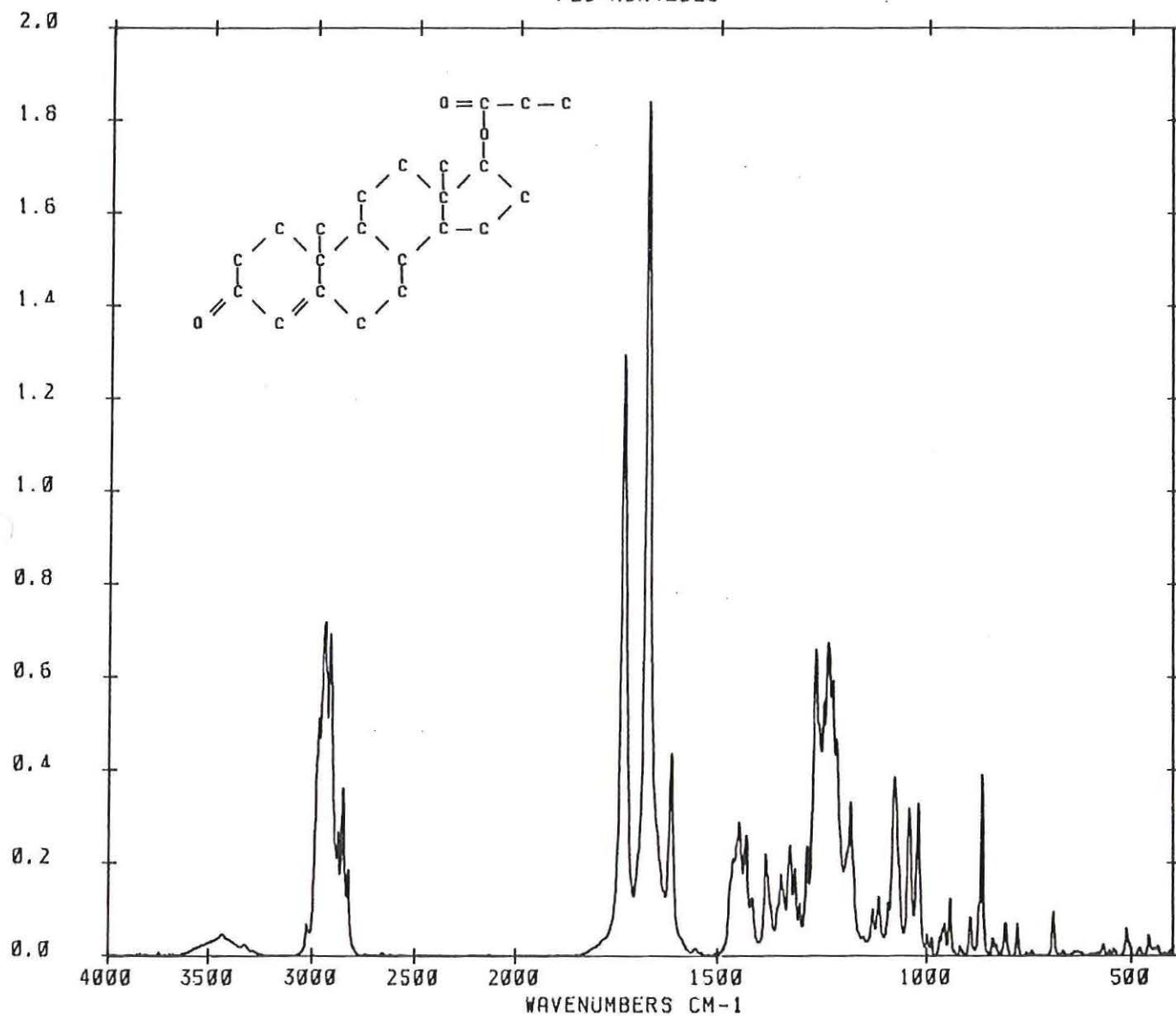
PEAK TABLE FILE : HOR42028

43 PEAKS.

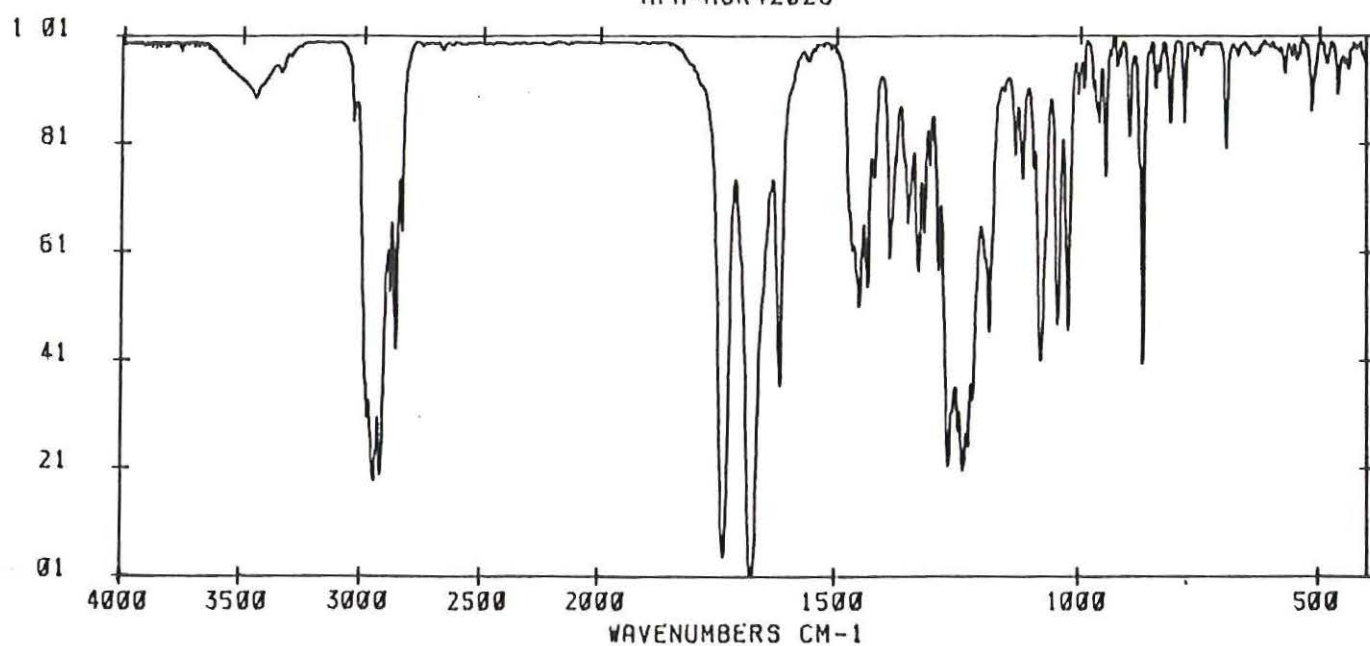
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	2.34	6
2	512.073	3.15	8
3	567.041	1.31	6
4	686.621	5.9	5
5	776.306	3.75	5
6	805.237	3.75	8
7	836.096	2.4	13
8	863.098	21.18	5
9	891.064	4.46	6
10	916.138	1.4	10
11	941.211	6.65	6
12	954.712	3.74	12
13	987.500	2.3	6
14	998.108	2.34	7
15	1020.288	17.84	9
16	1043.433	17.27	11
17	1080.078	20.83	15
18	1117.688	6.84	10
19	1132.153	5.48	10
20	1185.193	17.89	16
21	1219.910	25.31	16
22	1229.553	32.10	15
23	1240.161	36.62	25
24	1249.805	29.76	19
25	1270.056	35.92	14
26	1290.308	12.89	10
27	1307.666	6.7	9
28	1319.238	10.15	11
29	1330.811	12.90	14
30	1352.026	9.53	15
31	1389.636	11.92	13
32	1433.997	14.7	9
33	1450.391	15.70	44
34	1611.438	23.67	13
35	1669.299	100.0	14
36	1729.089	70.44	16
37	2826.526	10.4	12
38	2850.635	19.61	19
39	2874.744	14.54	19
40	2914.282	37.67	30
41	2939.355	39.8	42
42	2968.286	27.88	41
43	3431.177	2.54	207

FLS=HOR42028



AFA=HOR42028



COMPOUND NAME: TESTOSTERONE ISOCAPROATE
 MOLECULAR FORMULE: C25H38O3
 MOLECULAR WEIGHT: 386
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: ORGANON
 MANUFACTURER REFERENCE: 770
 CHARGE NUMBER: TIC Z 135
 FLS: HOR42071

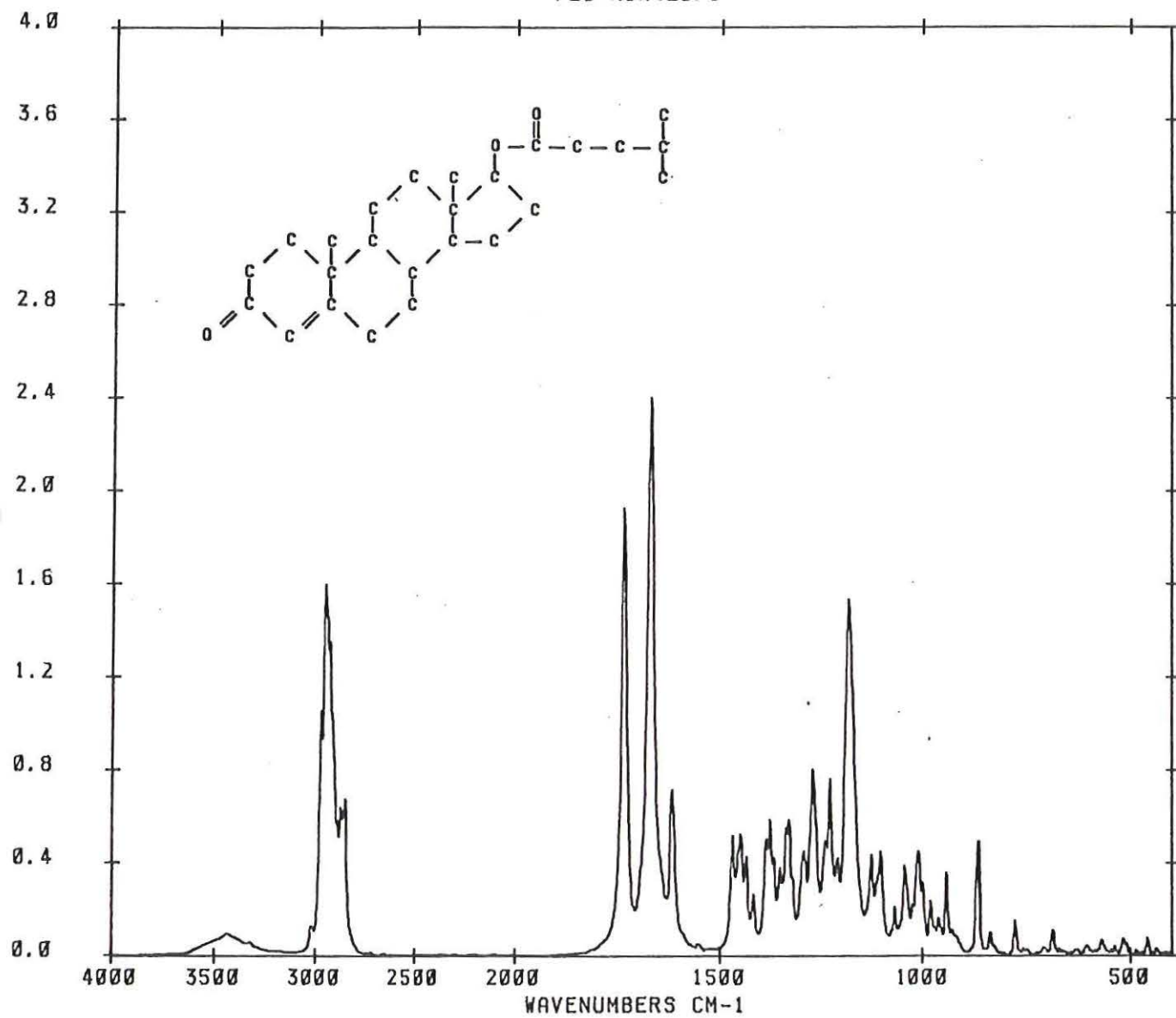
PEAK TABLE FILE : HOR42071

41 PEAKS.

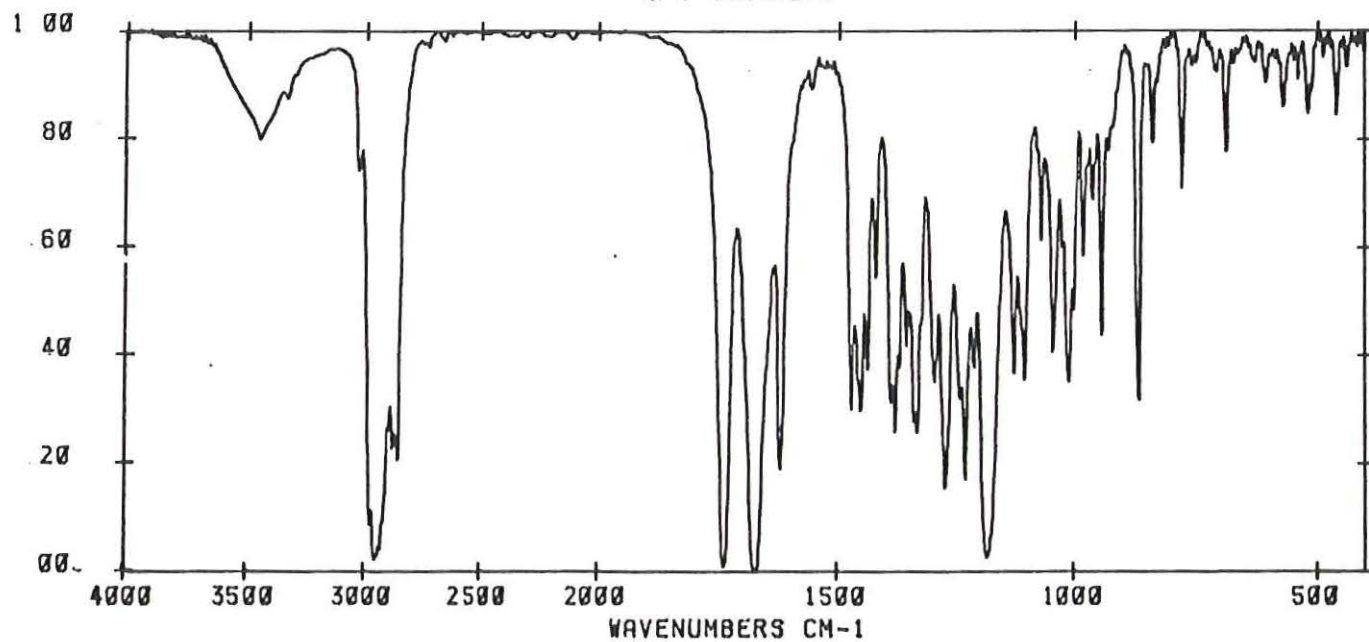
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	3.1	8
2	516.895	2.95	14
3	537.146	1.64	6
4	568.970	2.69	13
5	604.651	1.81	14
6	685.657	4.49	8
7	776.306	6.12	7
8	836.096	4.15	9
9	864.062	20.53	9
10	941.211	14.84	8
11	959.534	6.67	13
12	979.785	9.64	10
13	1008.716	18.71	25
14	1043.433	16.14	15
15	1068.506	8.76	8
16	1103.223	18.56	15
17	1125.403	17.95	13
18	1182.300	63.79	27
19	1210.266	17.50	22
20	1229.553	31.69	12
21	1241.125	20.46	17
22	1271.985	33.38	18
23	1294.165	18.70	23
24	1330.811	24.25	14
25	1337.561	22.92	15
26	1352.991	15.65	17
27	1378.064	24.35	29
28	1387.708	20.88	12
29	1418.567	10.89	12
30	1435.925	17.61	9
31	1450.391	21.74	22
32	1469.678	21.56	12
33	1617.224	29.57	14
34	1667.371	100.0	19
35	1732.947	80.15	14
36	2851.599	28.5	17
37	2875.708	26.56	27
38	2928.748	56.23	50
39	2951.892	66.51	27
40	2972.144	44.5	19
41	3441.785	4.3	241

FLS=HOR42071



AFA=HOR42071



COMPOUND NAME: TESTOSTERONE DECANOATE
 SYSTEMATIC NAME: DELTA 4-ANDROSTENE-17 BETA-DECANOATE-3-ONE
 MOLECULAR FORMULE: C₂₈H₄₆O₃
 MOLECULAR WEIGHT: 430
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: ORGANON
 MANUFACTURER REFERENCE: 767
 CHARGE NUMBER: TEDEC Z 87
 FLS: HOR42070

21

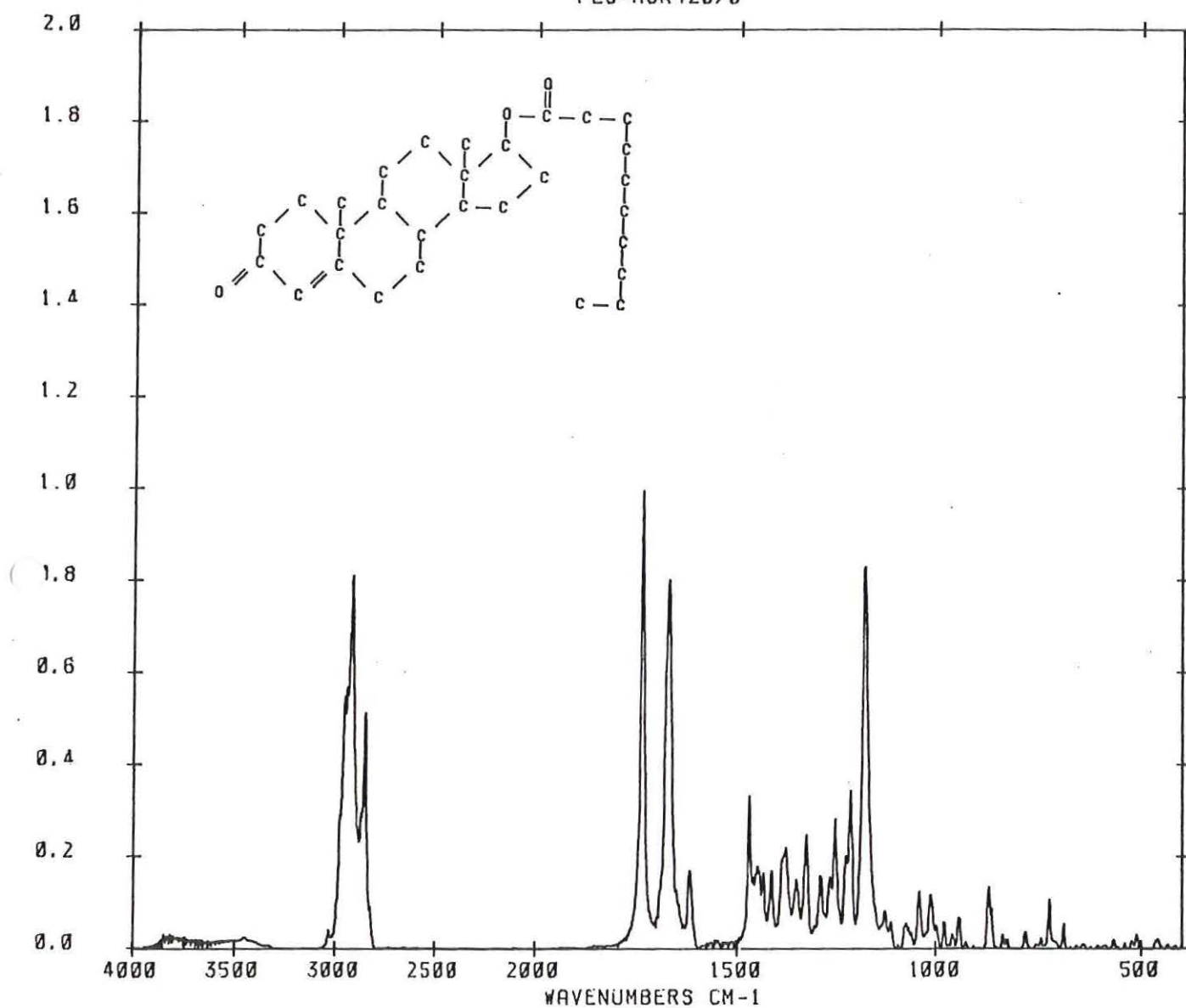
PEAK TABLE FILE : HOR42070

47 PEAKS.

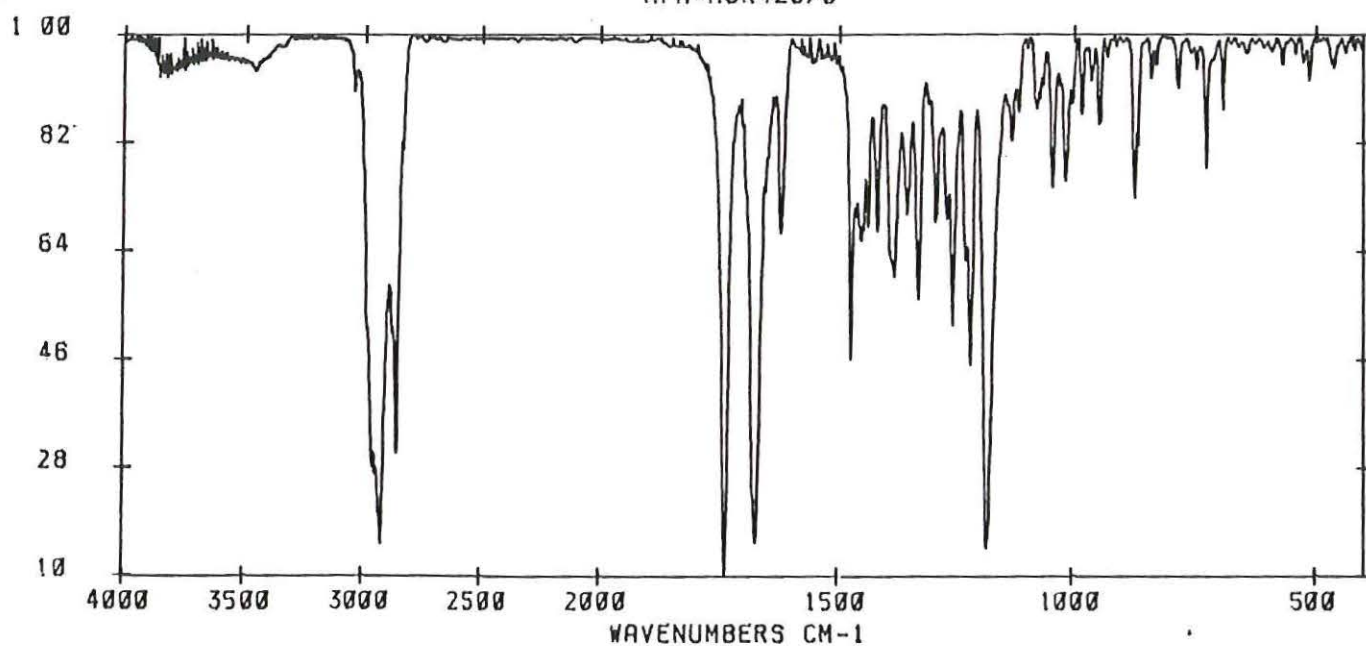
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	2.15	15
2	509.180	3.12	6
3	563.184	1.92	8
4	683.728	5.45	6
5	718.445	10.64	6
6	738.696	2.28	6
7	776.306	3.73	8
8	833.203	2.94	15
9	866.956	13.40	13
10	924.817	1.31	7
11	942.175	6.62	9
12	958.569	3.15	8
13	977.856	5.77	7
14	1012.573	11.78	13
15	1040.540	12.36	10
16	1074.292	5.31	24
17	1111.902	5.62	8
18	1128.296	8.3	11
19	1180.371	83.15	14
20	1216.052	34.28	12
21	1226.660	20.24	15
22	1255.591	28.30	9
23	1267.163	15.71	15
24	1291.272	15.90	14
25	1326.953	24.87	14
26	1352.026	15.8	18
27	1379.028	22.9	26
28	1414.709	16.95	11
29	1434.961	16.39	9
30	1449.426	17.88	33
31	1470.642	33.43	7
32	1511.145	1.53	12
33	1552.612	1.72	10
34	1562.256	1.39	11
35	1618.188	17.2	13
36	1670.264	80.48	18
37	1733.911	100.0	10
38	2850.635	51.48	18
39	2915.247	81.60	22
40	2940.320	57.15	42
41	2953.821	55.6	54
42	3032.898	4.9	14
43	3449.500	2.50	154
44	3686.731	1.98	71
45	3743.628	2.42	65
46	3814.990	2.93	110
47	3856.458	2.5	17

FLS=HOR42070



AFA=HOR42070



COMPOUND NAME: TESTOSTERONE UNDECANOATE
 MOLECULAR FORMULE: C30H47O3
 MOLECULAR WEIGHT: 455
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: ORGANON
 MANUFACTURER REFERENCE: 768
 CHARGE NUMBER: 1UNDEC Z 37
 FLS: HOR42073

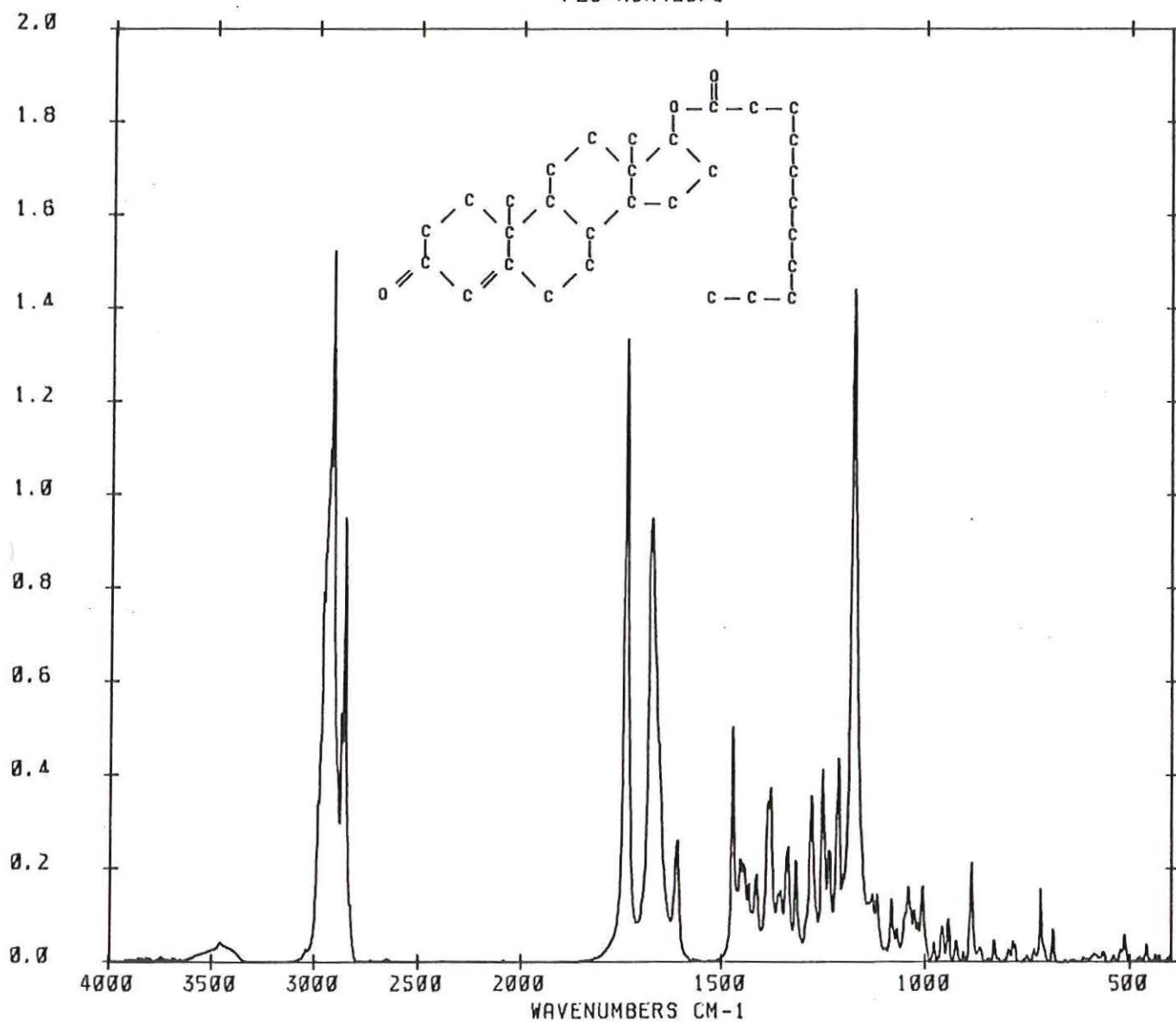
PEAK TABLE FILE : HOR42073

42 PEAKS.

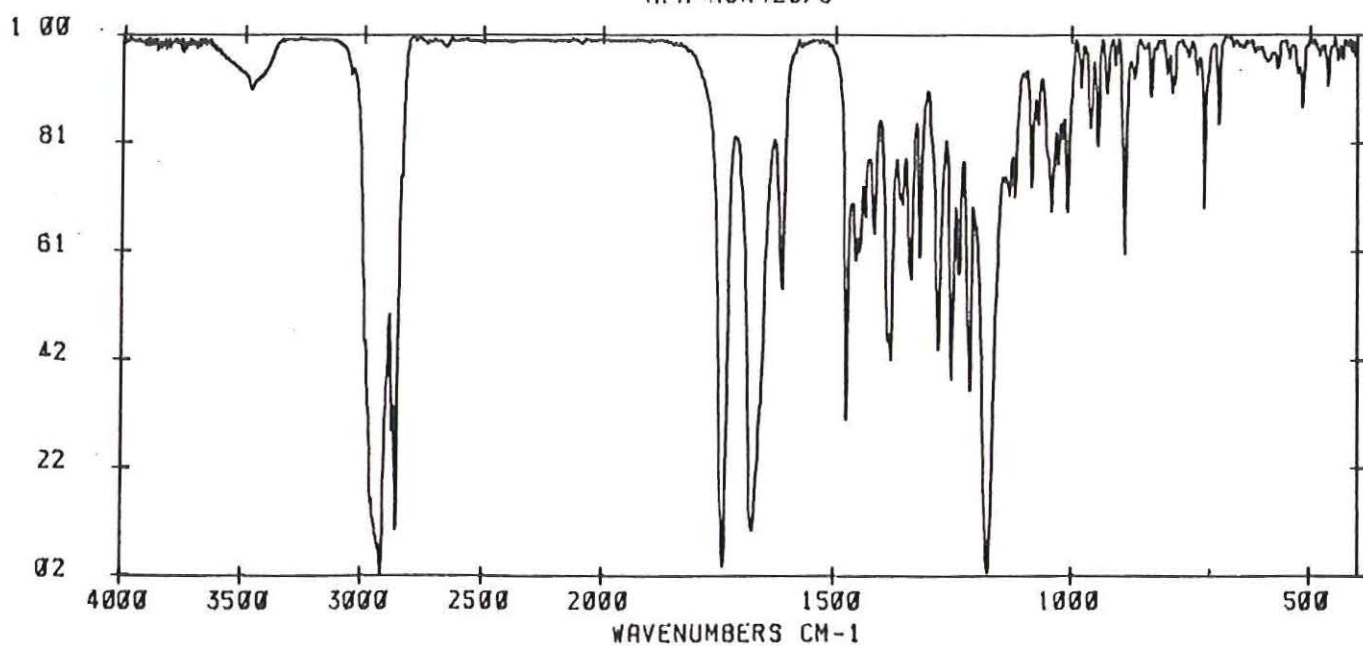
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	2.44	6
2	511.108	3.68	8
3	564.148	1.42	10
4	685.657	4.64	6
5	716.516	10.34	5
6	784.985	2.86	10
7	831.274	3.1	6
8	887.207	13.89	6
9	906.494	1.32	4
10	923.853	2.85	8
11	943.140	6.2	7
12	958.569	4.90	8
13	977.856	2.57	6
14	1005.823	10.56	10
15	1026.074	7.20	11
16	1039.575	10.50	18
17	1067.542	4.65	10
18	1081.042	8.77	8
19	1115.759	9.48	12
20	1126.367	9.33	15
21	1171.692	94.50	14
22	1208.337	28.64	11
23	1231.482	15.64	16
24	1248.840	27.12	10
25	1275.842	23.30	11
26	1315.381	14.18	8
27	1334.668	16.12	16
28	1353.955	10.1	28
29	1379.028	24.51	18
30	1413.745	12.20	14
31	1433.032	10.97	8
32	1453.284	14.45	31
33	1472.571	33.1	6
34	1610.474	17.0	14
35	1674.121	62.23	25
36	1737.769	87.52	12
37	2851.599	62.40	14
38	2867.993	35.0	14
39	2912.354	100.0	14
40	2926.819	72.5	68
41	2956.714	52.6	33
42	3456.250	2.74	143

FLS=HOR42073



AFA=HOR42073



COMPOUND NAME: TESTOSTERONE PHENYLPROPIONATE
 SYSTEMATIC NAME: 17 β -(PHENYLACETYL)OXYANDROST-4-EN-3-ONE
 MOLECULAR FORMULE: C₂₈H₃₆O₃
 MOLECULAR WEIGHT: 420
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: ORGANON
 MANUFACTURER REFERENCE: 769
 CHARGE NUMBER: TPP Z 159
 FLS: HOR42072

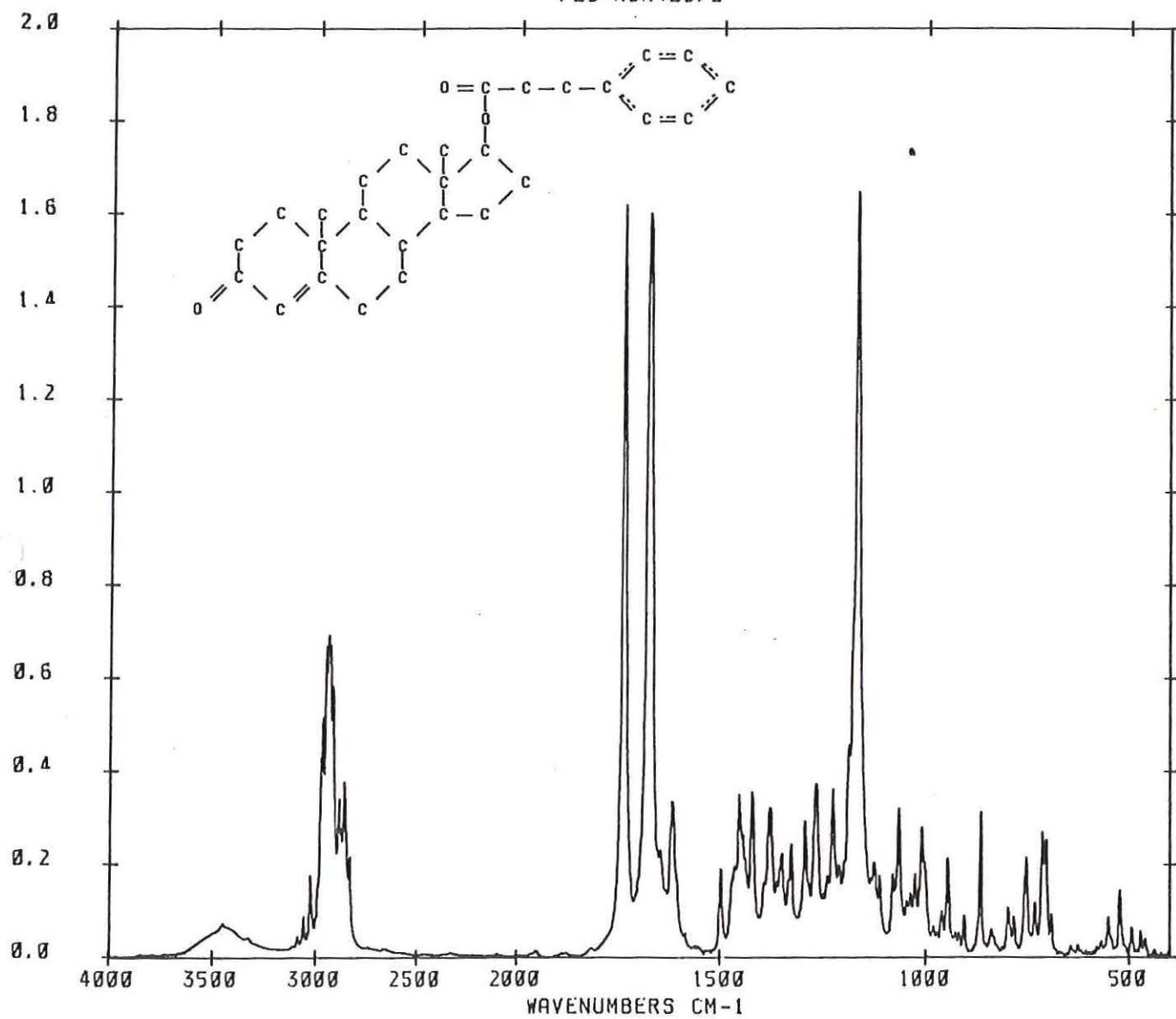
PEAK TABLE FILE : HOR42072

51 PEAKS.

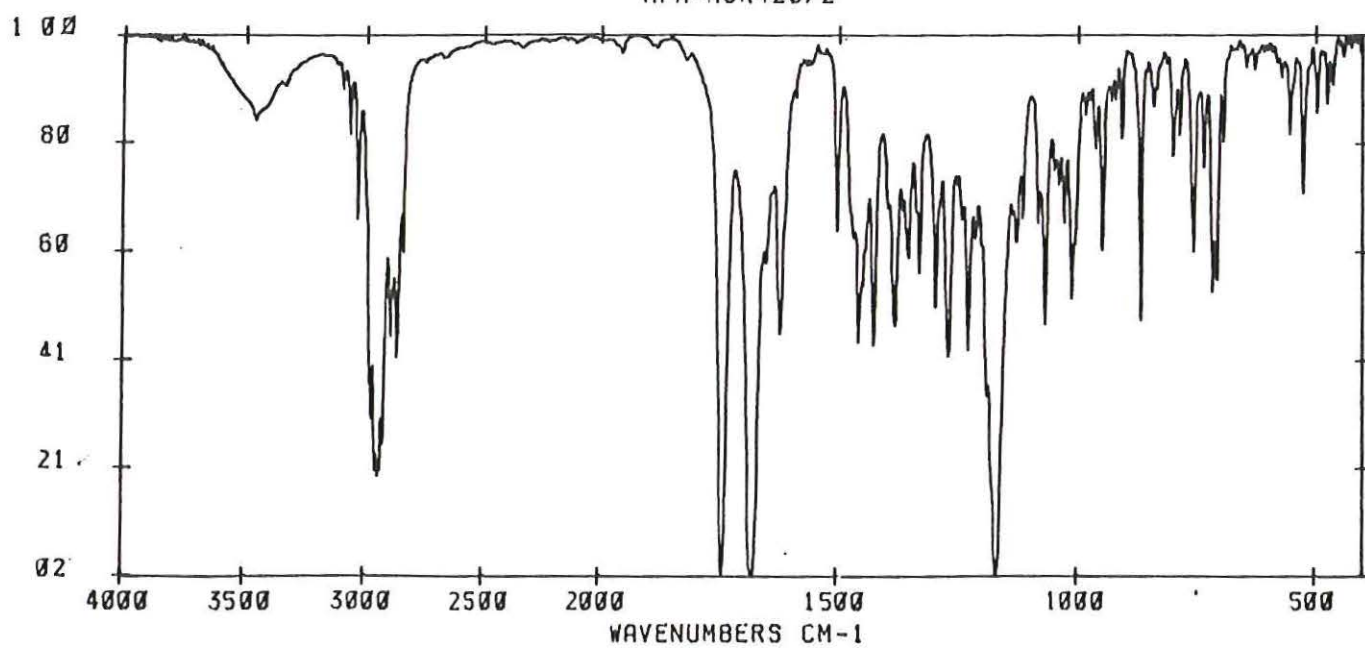
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	471.570	3.46	4
2	492.786	3.98	7
3	521.716	8.85	7
4	549.683	5.22	8
5	621.045	1.62	6
6	685.657	5.58	6
7	699.158	15.35	9
8	708.801	16.37	6
9	726.160	7.16	9
10	748.340	13.6	12
11	780.164	5.23	7
12	794.629	6.49	9
13	835.132	3.61	16
14	862.134	19.3	6
15	903.601	5.43	6
16	944.104	12.90	8
17	957.605	6.2	12
18	979.785	4.3	12
19	1008.716	17.2	18
20	1026.074	10.89	12
21	1037.646	8.28	15
22	1067.542	19.39	10
23	1082.007	10.85	10
24	1114.795	10.56	10
25	1128.296	12.26	19
26	1170.728	100.0	14
27	1190.015	27.70	14
28	1213.159	12.1	19
29	1228.589	22.5	11
30	1270.056	22.71	17
31	1298.022	17.85	11
32	1330.811	14.75	9
33	1353.955	13.46	17
34	1380.957	19.57	16
35	1424.353	21.62	12
36	1455.212	21.31	22
37	1498.608	11.47	8
38	1615.295	20.35	17
39	1672.192	97.28	19
40	1733.911	98.26	11
41	2833.276	13.7	14
42	2859.314	22.91	21
43	2885.352	20.69	18
44	2918.140	35.32	22
45	2939.355	42.11	53
46	2951.892	40.76	15
47	2968.286	31.25	18
48	2976.001	26.16	14
49	3026.147	10.65	12
50	3057.971	5.22	13
51	3447.571	4.40	203

FLS=HOR42072



AFA=HOR42072



COMPOUND NAME: TESTOSTERONE-BENZOATE
 SYSTEMATIC NAME: 4-ANDROSTEN-17 BETA-OL-3-ONE BENZOATE
 CA NAME: ANDROST-4-EN-3-ONE, 17-(BENZOYLOXY)- (17 BETA)
 CAS NUMBER: 2088-71-3
 STERALIDS NUMBER: A 6954
 MOLECULAR FORMULE: C₂₆H₃₂O₃
 MOLECULAR WEIGHT: 392.5
 MELTING POINT: 188-192
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: T-1750
 CHARGE NUMBER: 62F-0602
 FLS: HOR42033

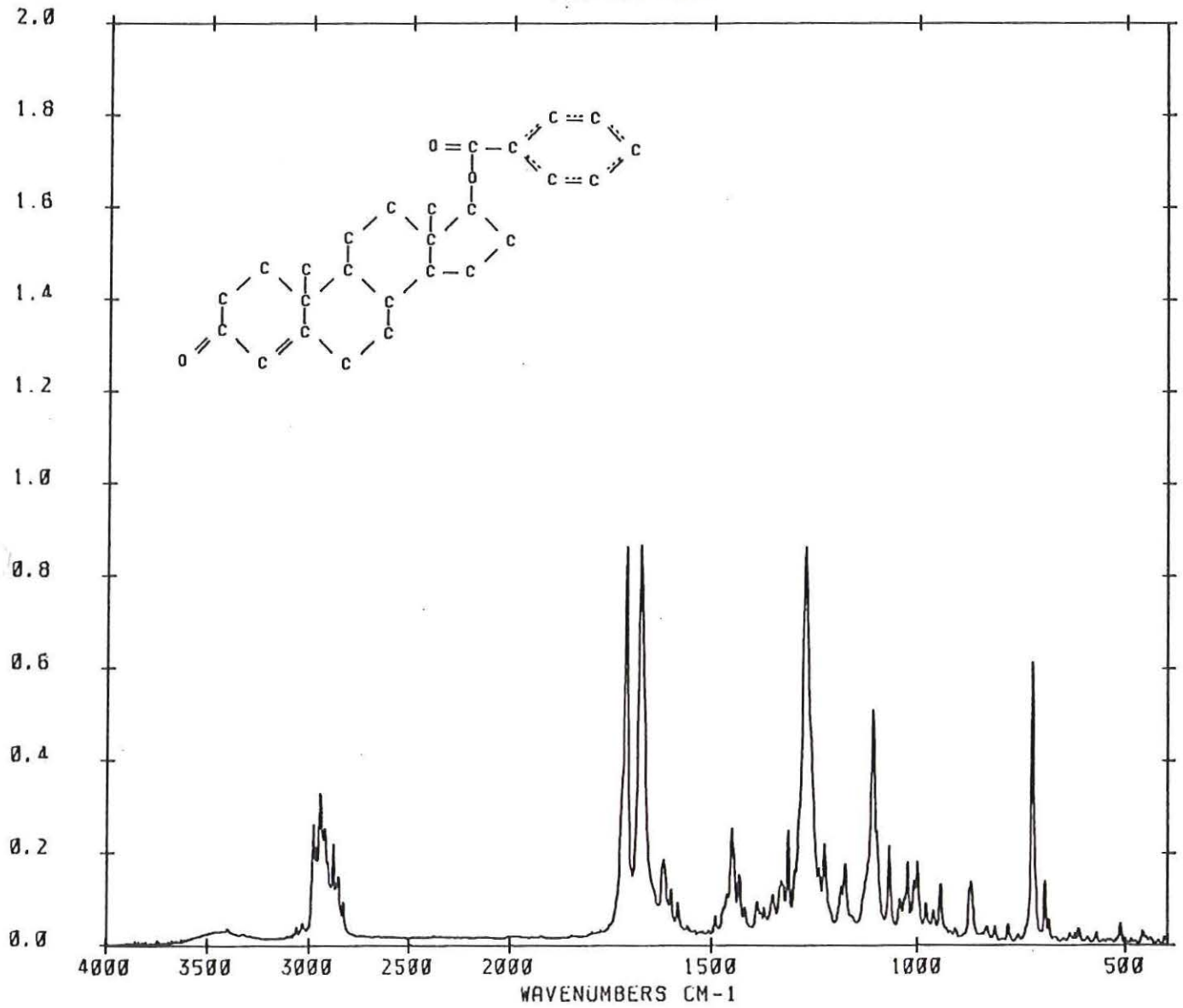
PEAK TABLE FILE : HOR42033

53 PEAKS.

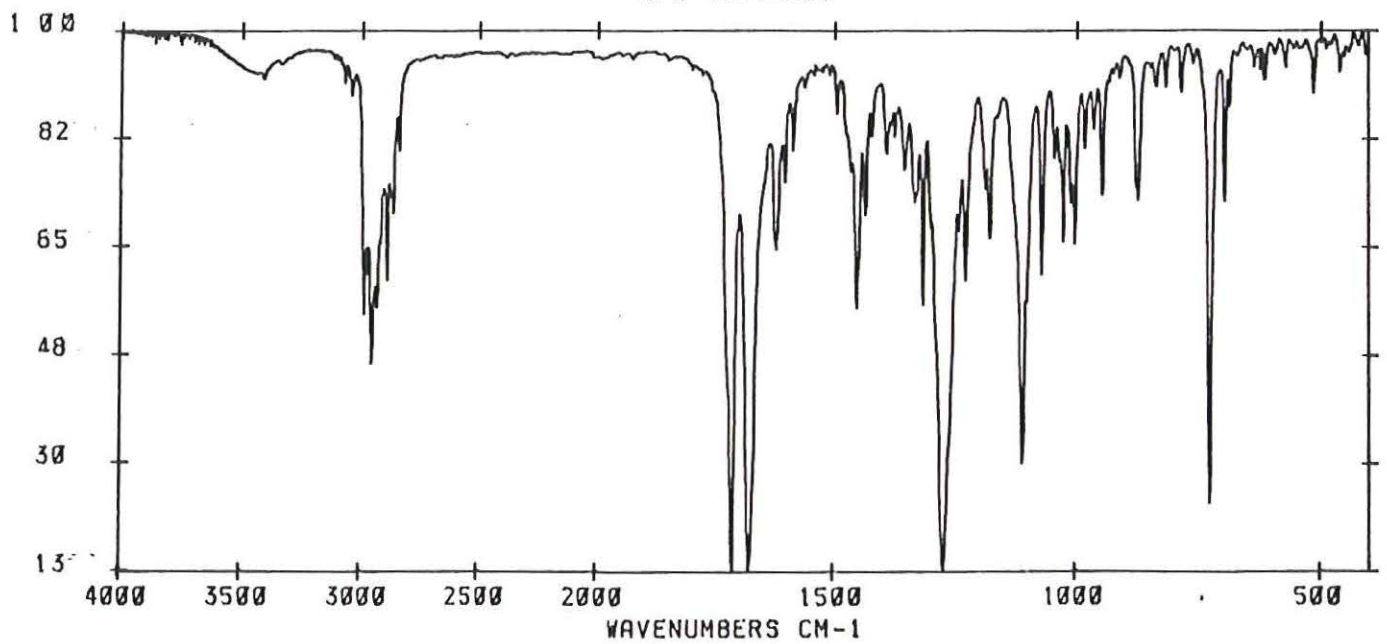
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	3.44	6
2	510.144	5.25	6
3	567.041	3.2	8
4	608.508	4.2	8
5	617.187	3.17	4
6	628.760	2.94	9
7	677.942	6.40	7
8	687.585	15.89	7
9	719.409	70.65	7
10	754.126	2.63	14
11	778.235	5.15	7
12	810.059	4.75	7
13	829.346	4.70	14
14	865.991	15.77	14
15	904.565	3.95	12
16	941.211	15.20	7
17	958.569	8.55	12
18	977.856	10.38	10
19	998.108	20.77	8
20	1007.751	16.12	6
21	1023.181	20.54	9
22	1042.468	11.46	12
23	1070.435	24.66	9
24	1109.973	58.79	11
25	1178.442	20.23	9
26	1188.086	14.65	12
27	1228.589	25.29	11
28	1242.090	19.17	14
29	1274.878	99.37	20
30	1316.345	28.84	7
31	1333.704	16.4	26
32	1354.919	12.52	17
33	1375.171	9.32	11
34	1392.529	10.91	14
35	1422.424	9.31	13
36	1434.961	17.41	12
37	1452.319	29.32	14
38	1491.858	7.15	8
39	1582.507	10.59	9
40	1598.901	13.87	9
41	1617.224	21.41	18
42	1673.157	100.0	17
43	1708.838	99.58	11
44	2827.490	10.62	15
45	2851.599	17.12	17
46	2876.672	25.36	14
47	2920.068	29.23	29
48	2942.249	38.6	20
49	2961.536	24.75	22
50	2976.001	30.40	19
51	3030.969	5.49	24
52	3060.864	4.42	18
53	3398.389	4.9	203

FLS=HOR42033



AFA=HOR42033



COMPOUND NAME: 17 ALPHA-METHYLTESTOSTERONE

SYSTEMATIC NAME: 17-HYDROXY-17-METHYLANDROST-4-EN-3 ONE

17 ALPHA-METHYL-4-ANDROSTEN-17 BETA-OL-3-ONE
CA NAME: ANDROST-4-EN-3-ONE, 17 HYDROXY-17-METHYL-(17 BETA)

CAS NUMBER: 58-18-4

MERCK INDEX NO (10 ED): 6000

STERALDIDS NUMBER: A 6280

MOLECULAR FORMULE: C20H30O2

MOLECULAR WEIGHT: 302.4

MELTING POINT: 161-166

SAMPLE TECHNIQUE: MACRO-KBR

SAMPLE QUANTITY: 1 MG / 100 MG KBR

MANUFACTURER: SIGMA

MANUFACTURER REFERENCE: M 7252

CHARGE NUMBER: 11F-0439

FLS: HOR42022

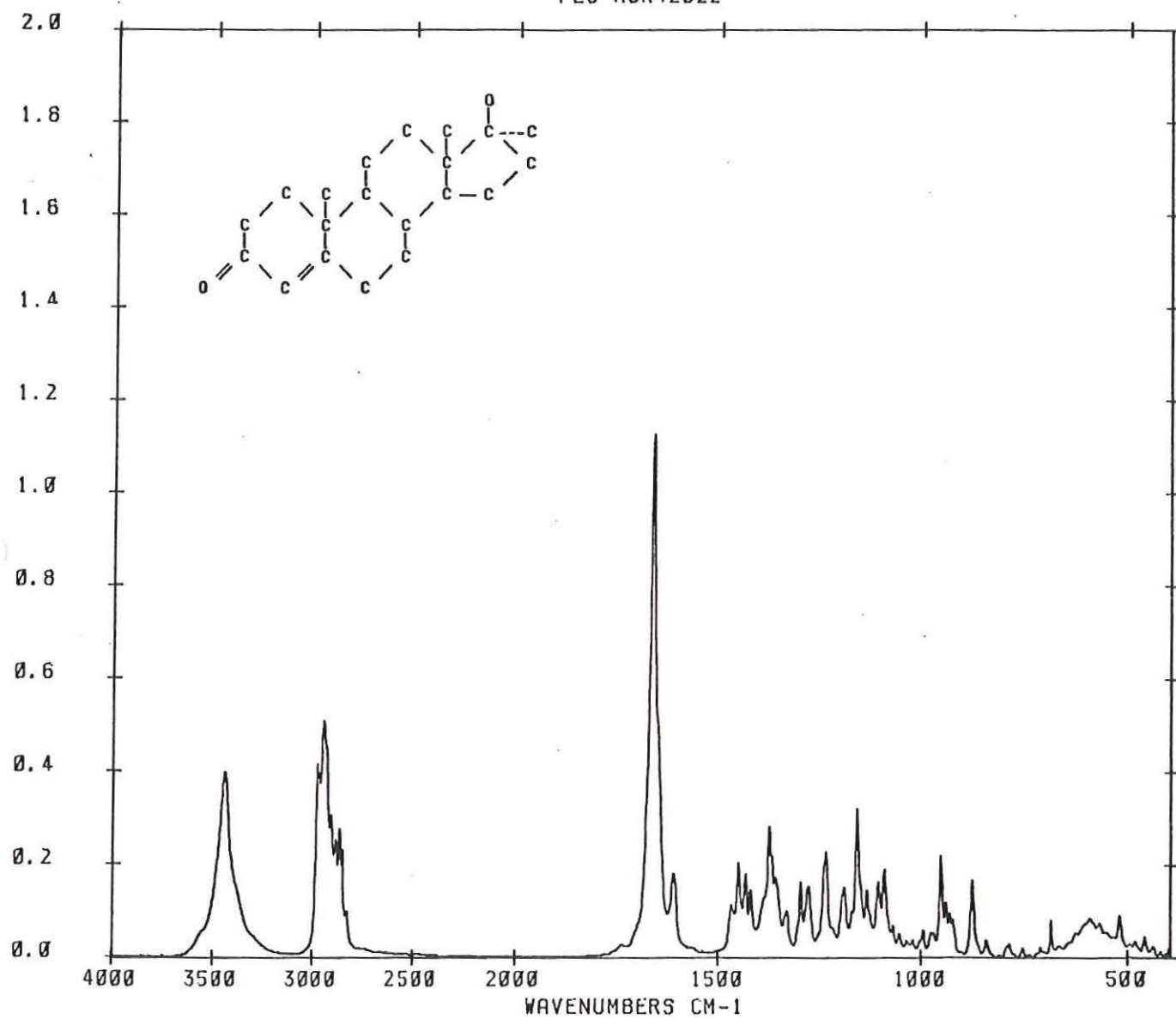
PEAK TABLE FILE : HOR42022

41 PEAKS.

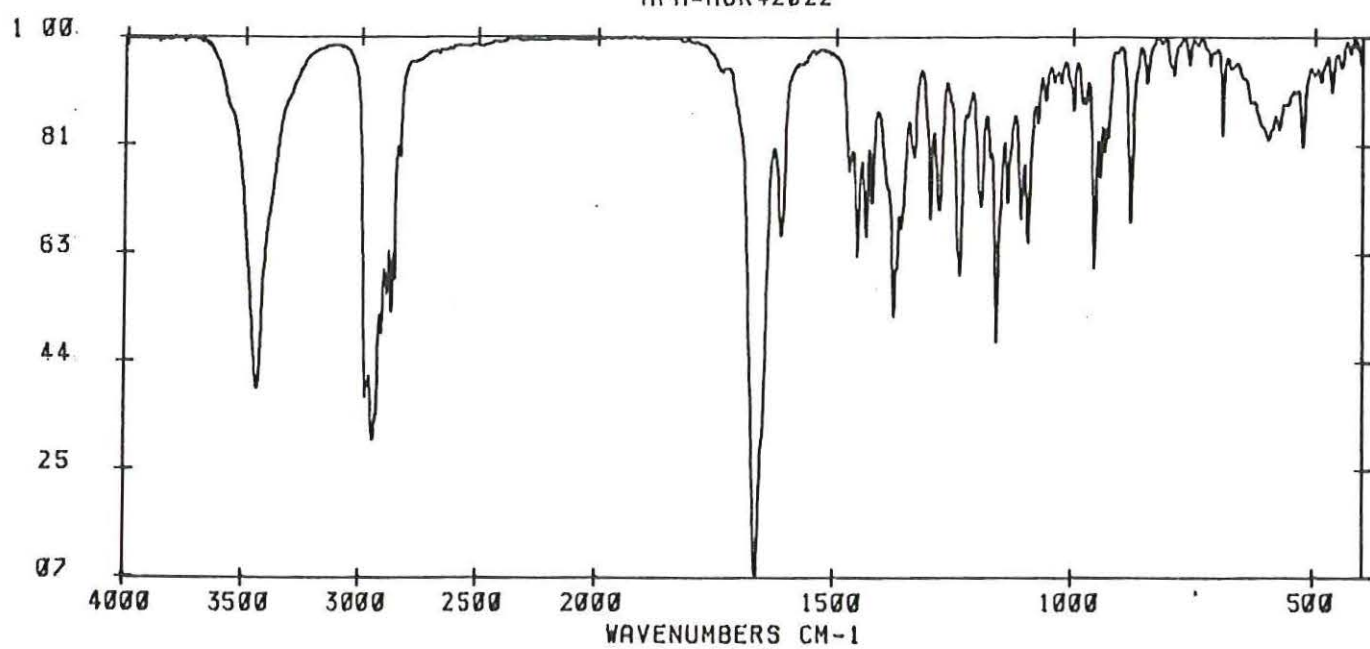
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.998	3.84	8
2	517.859	8.0	11
3	588.257	7.42	91
4	680.835	7.10	4
5	706.873	1.88	9
6	750.269	1.85	8
7	783.057	2.53	14
8	838.989	3.20	11
9	872.742	14.77	10
10	928.674	8.41	29
11	937.354	10.55	9
12	949.890	19.42	9
13	973.999	4.63	12
14	994.250	5.13	8
15	1019.324	3.20	12
16	1053.076	4.41	12
17	1069.470	6.7	9
18	1090.686	16.69	14
19	1105.151	14.42	14
20	1133.118	12.77	12
21	1156.262	28.44	11
22	1190.015	13.23	19
23	1234.375	20.9	15
24	1277.771	13.52	17
25	1297.058	14.40	10
26	1330.811	8.88	13
27	1359.741	15.31	28
28	1374.207	25.11	14
29	1420.496	12.91	14
30	1432.068	16.5	13
31	1450.391	18.18	11
32	1467.749	10.2	14
33	1611.438	15.99	18
34	1663.513	100.0	17
35	2849.670	20.57	14
36	2864.136	24.41	25
37	2883.423	22.40	39
38	2906.567	27.12	35
39	2942.249	45.22	62
40	2975.037	37.1	19
41	3437.927	35.40	74

FLS=HOR42022



AFA=HOR42022



COMPOUND NAME: 49(11)-METHYLTESTOSTERONE
 SYSTEMATIC NAME: 17 BETA-HYDROXY-17 ALPHA-METHYLANDROSTA-4,9(11)-DIEN-3-ONE
 CA NAME: -
 CAS NUMBER: -
 MERCK INDEX NO (10 ED): -
 STERALIDS NUMBER: A 510
 MOLECULAR FORMULE: C20H28O2
 MOLECULAR WEIGHT: 300.4
 MELTING POINT: 171-173
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: M-7377
 CHARGE NUMBER: 36C-0312
 FLS: HOR42049

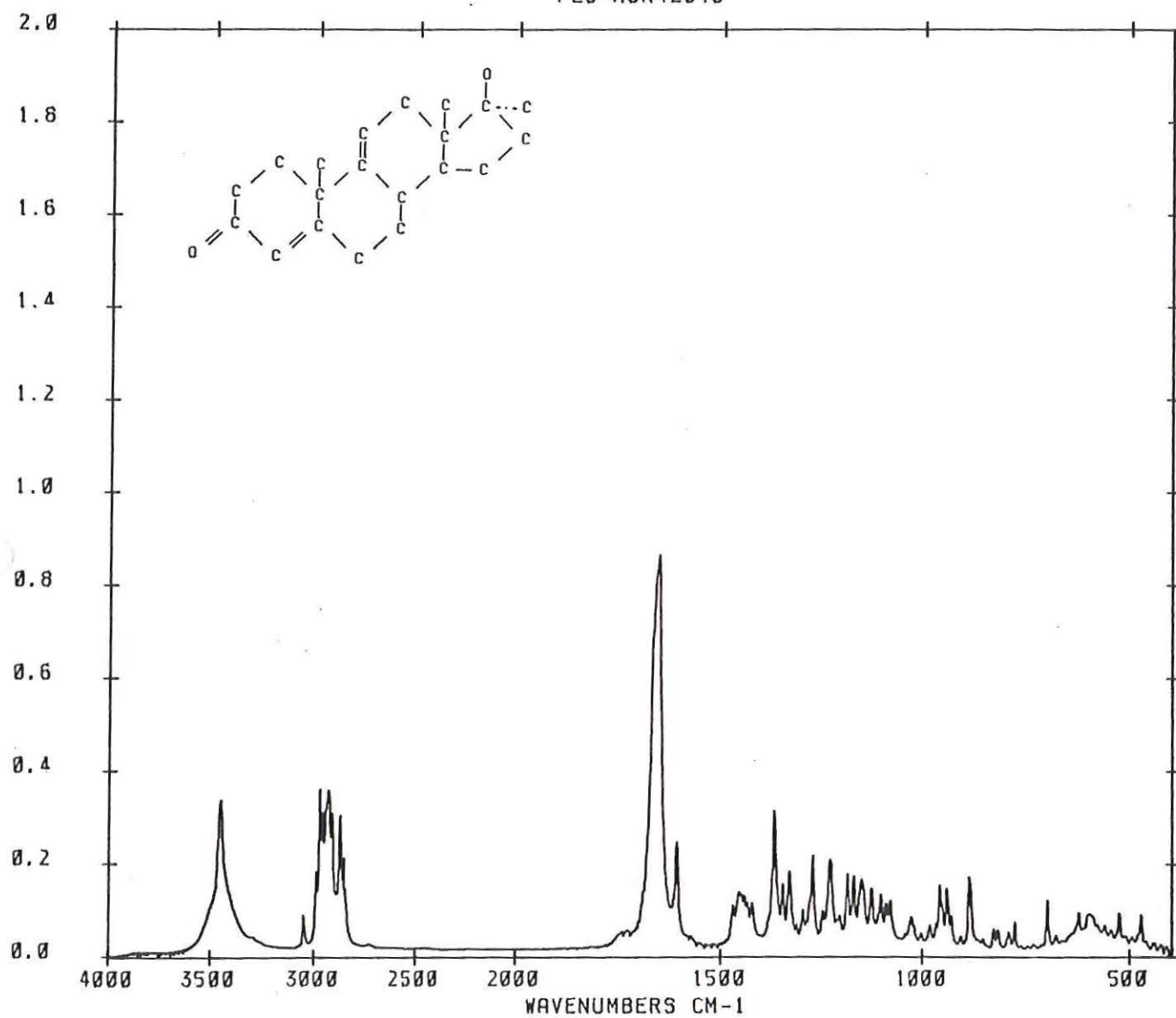
PEAK TABLE FILE : HOR42049

51 PEAKS.

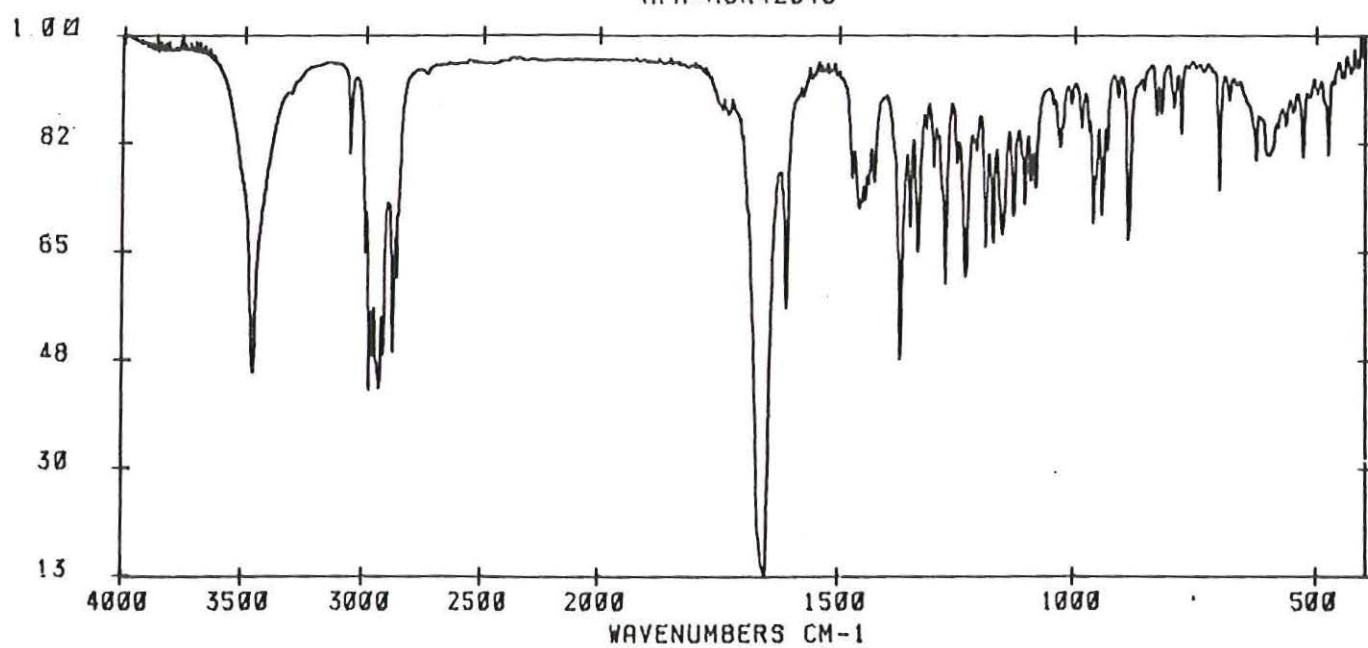
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	472.534	10.61	8
2	523.645	10.83	11
3	557.397	7.79	45
4	593.079	10.64	38
5	616.223	11.7	14
6	671.191	5.41	13
7	692.407	14.13	7
8	771.484	8.51	5
9	786.914	6.12	11
10	812.952	6.58	8
11	823.560	6.77	7
12	882.385	19.82	10
13	902.637	5.12	12
14	925.781	10.12	8
15	937.354	16.93	10
16	955.676	17.76	14
17	979.785	7.91	13
18	1001.965	5.82	13
19	1027.039	9.87	22
20	1080.078	13.87	13
21	1091.650	13.23	14
22	1104.187	15.59	11
23	1128.296	17.0	14
24	1153.369	19.15	23
25	1172.656	20.6	10
26	1188.086	20.65	9
27	1207.373	10.13	14
28	1232.446	24.35	14
29	1249.805	11.41	14
30	1273.914	25.24	9
31	1298.022	11.72	12
32	1314.417	8.5	13
33	1331.775	21.16	11
34	1348.169	18.13	11
35	1370.349	36.43	9
36	1424.353	13.36	14
37	1442.676	15.18	38
38	1455.212	16.15	25
39	1469.678	12.87	14
40	1606.616	28.55	10
41	1650.977	100.0	27
42	1725.232	6.78	77
43	2855.457	24.51	29
44	2870.886	35.30	15
45	2911.389	35.75	17
46	2930.676	41.52	55
47	2956.714	36.7	16
48	2971.179	42.4	12
49	2988.538	21.38	12
50	3049.292	10.47	10
51	3450.464	38.84	43

FLS=HOR42049



AFA=HOR42049



COMPOUND NAME: 17 BETA-19-NORTESTOSTERONE, NANDROLONE
 SYSTEMATIC NAME: 17 BETA-HYDROXY-4-ESTREN-3-ONE
 CA NAME: ESTRA-4-EN-3-ONE, 17-HYDROXY-(17) BETA)
 CAS NUMBER: 434-22-0
 MERCK INDEX NO (10 ED): 6211
 STERALIDS NUMBER: E 4050
 MOLECULAR FORMULE: C18H26O2
 MOLECULAR WEIGHT: 274.4
 MELTING POINT: 112 AND 124
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: N-7252
 CHARGE NUMBER: 119C-0234
 FLS: HOR42021

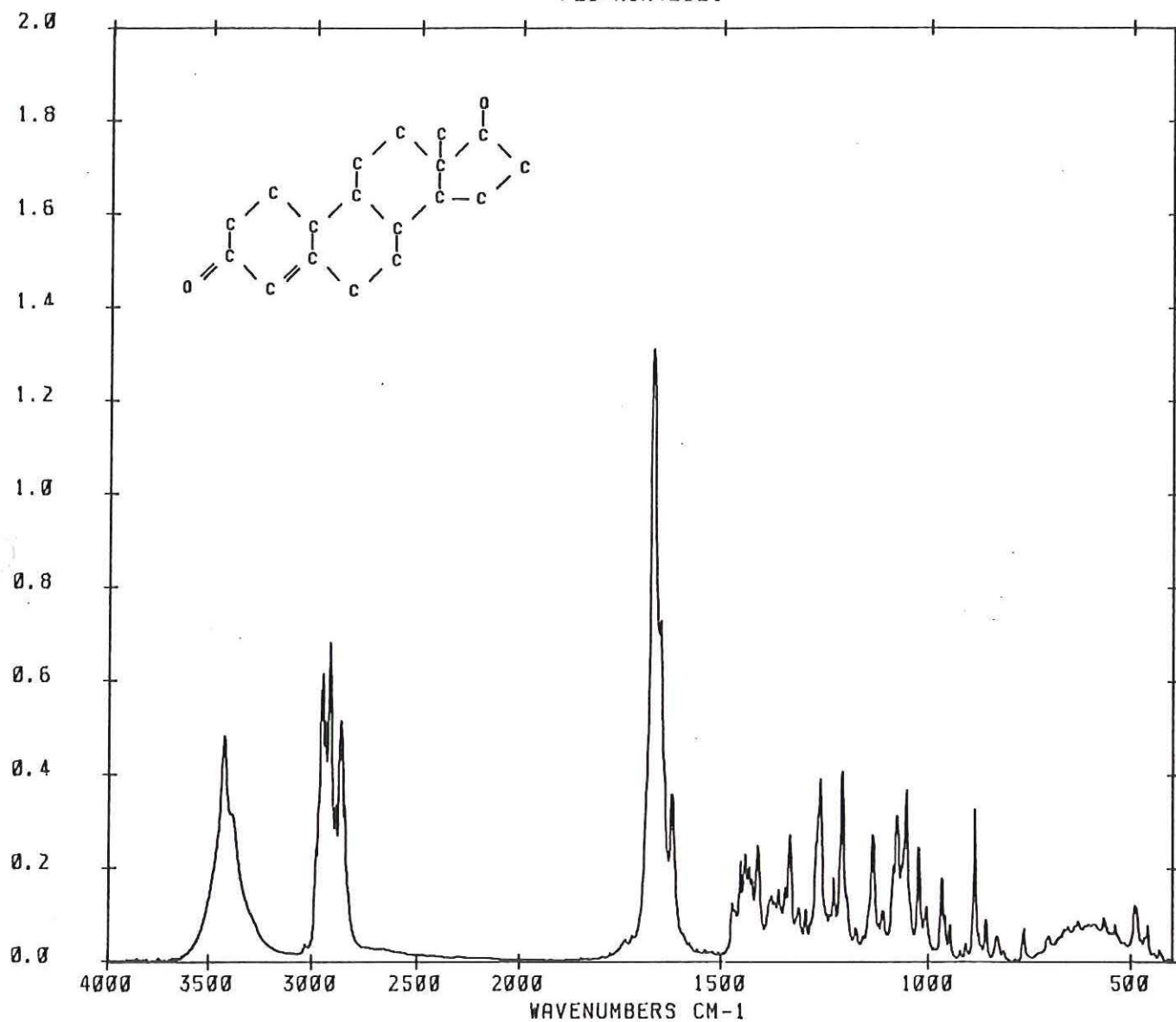
PEAK TABLE FILE : HOR42021

46 PEAKS.

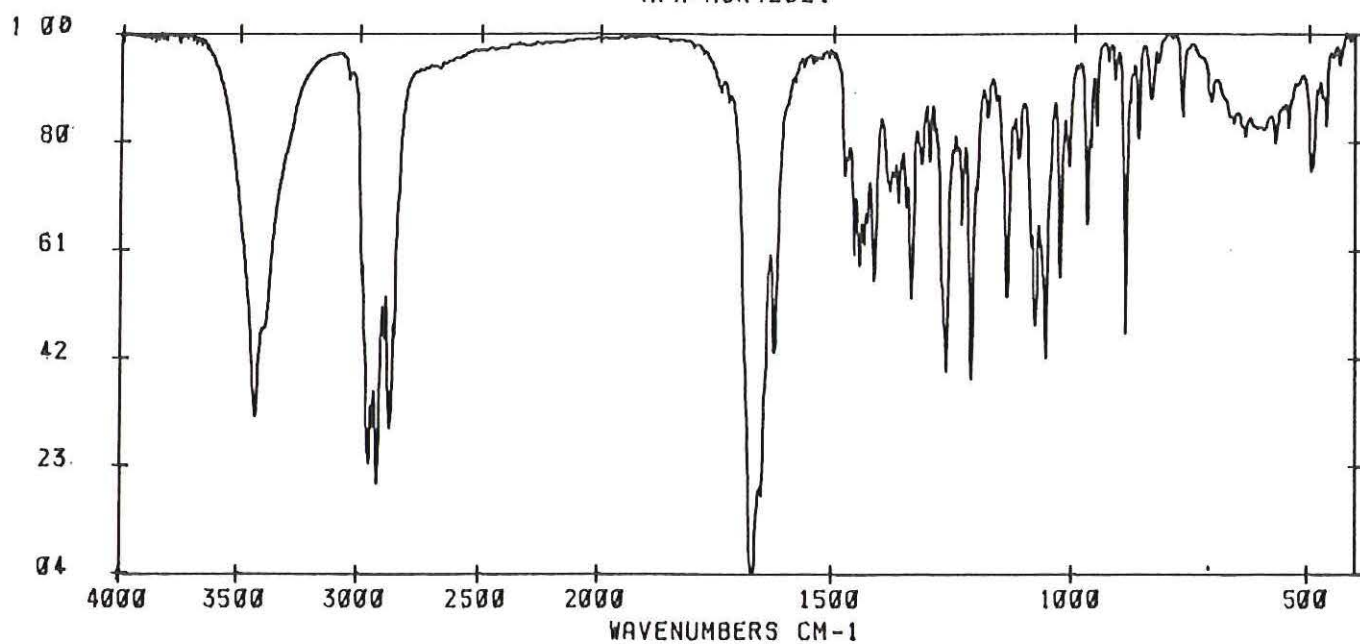
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	5.85	10
2	490.857	9.10	14
3	538.110	5.97	14
4	565.112	7.5	16
5	627.795	6.55	114
6	701.086	4.18	19
7	762.805	5.21	8
8	831.274	4.1	14
9	857.312	6.72	7
10	885.278	24.79	7
11	908.423	2.82	9
12	947.961	5.86	7
13	967.249	13.55	8
14	1003.894	8.78	10
15	1023.181	18.59	9
16	1052.112	27.93	12
17	1075.256	23.89	13
18	1083.936	15.68	10
19	1109.973	8.21	15
20	1133.118	20.61	12
21	1173.621	5.25	14
22	1206.409	30.92	11
23	1227.625	13.58	10
24	1259.448	29.81	17
25	1295.129	8.39	9
26	1311.523	8.59	19
27	1334.668	20.67	13
28	1344.312	12.6	14
29	1360.706	11.72	11
30	1379.028	10.65	29
31	1411.816	18.93	13
32	1433.032	15.36	36
33	1441.711	17.43	14
34	1452.319	16.40	7
35	1472.571	9.51	8
36	1619.153	27.28	18
37	1647.119	55.47	13
38	1666.406	100.0	19
39	2861.243	39.26	44
40	2884.387	25.36	26
41	2913.318	52.6	21
42	2935.498	39.22	26
43	2947.070	46.94	17
44	2955.750	44.29	14
45	2977.930	18.84	19
46	3423.462	36.79	99

FLS=H0R42021



AFA=H0R42021



COMPOUND NAME: 17 ALPHA 19-NORTESTOSTERONE, EPI-NORTESTOSTERONE
 SYSTEMATIC NAME: 17 ALPHA-HYDROXY-ESTR-4-EN-3-ONE
 CA NAME: ESTR-4-EN-3-ONE, 17-HYDROXY-(17 ALPHA)
 CAS NUMBER: 4409-34-1
 MOLECULAR FORMULE: C18H26O2
 MOLECULAR WEIGHT: 274.4
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 µG / 100 µG KBR
 MANUFACTURER REFERENCE: ORGANON
 FLS: HOR42100

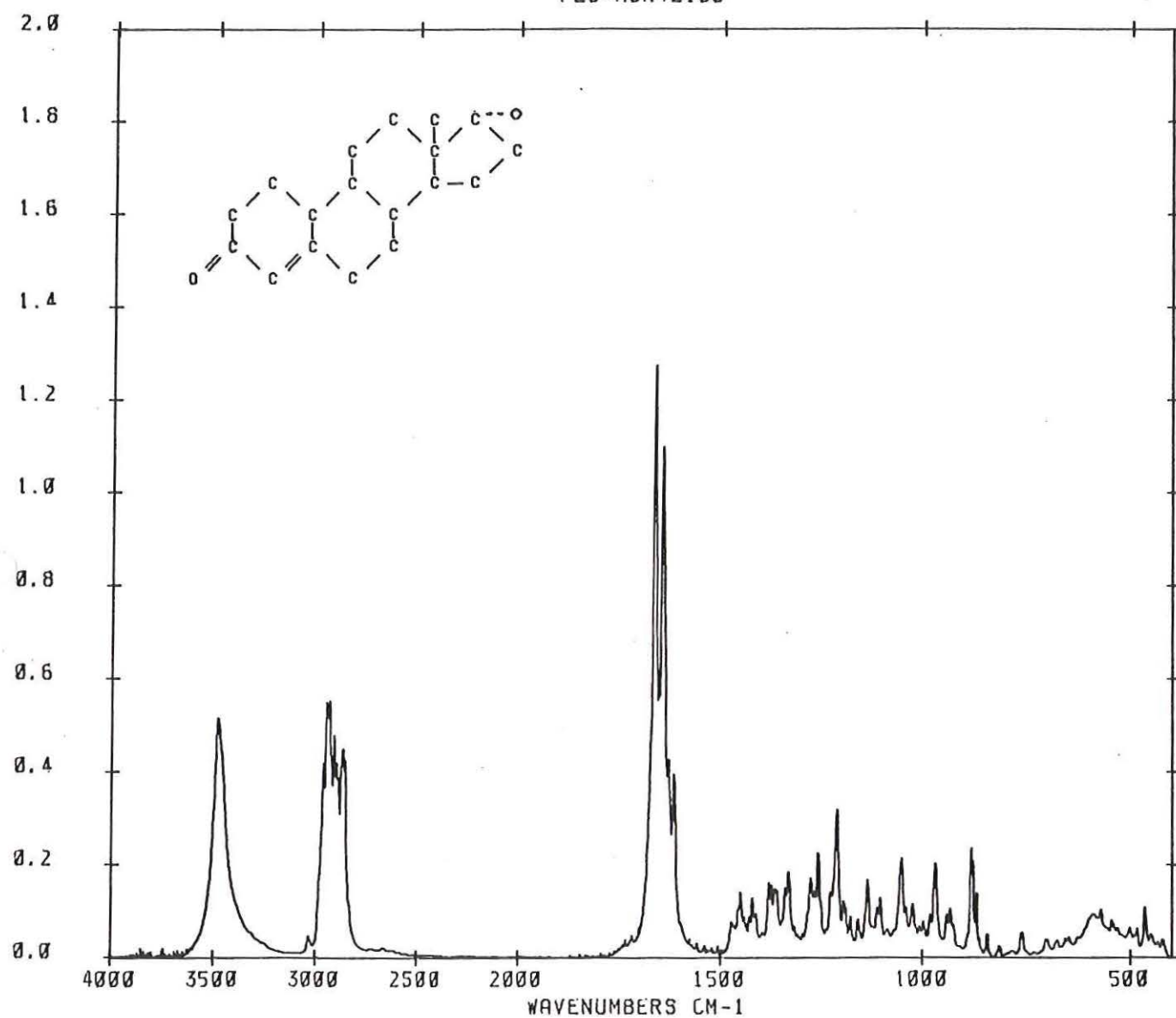
PEAK TABLE FILE : HOR42100

53 PEAKS.

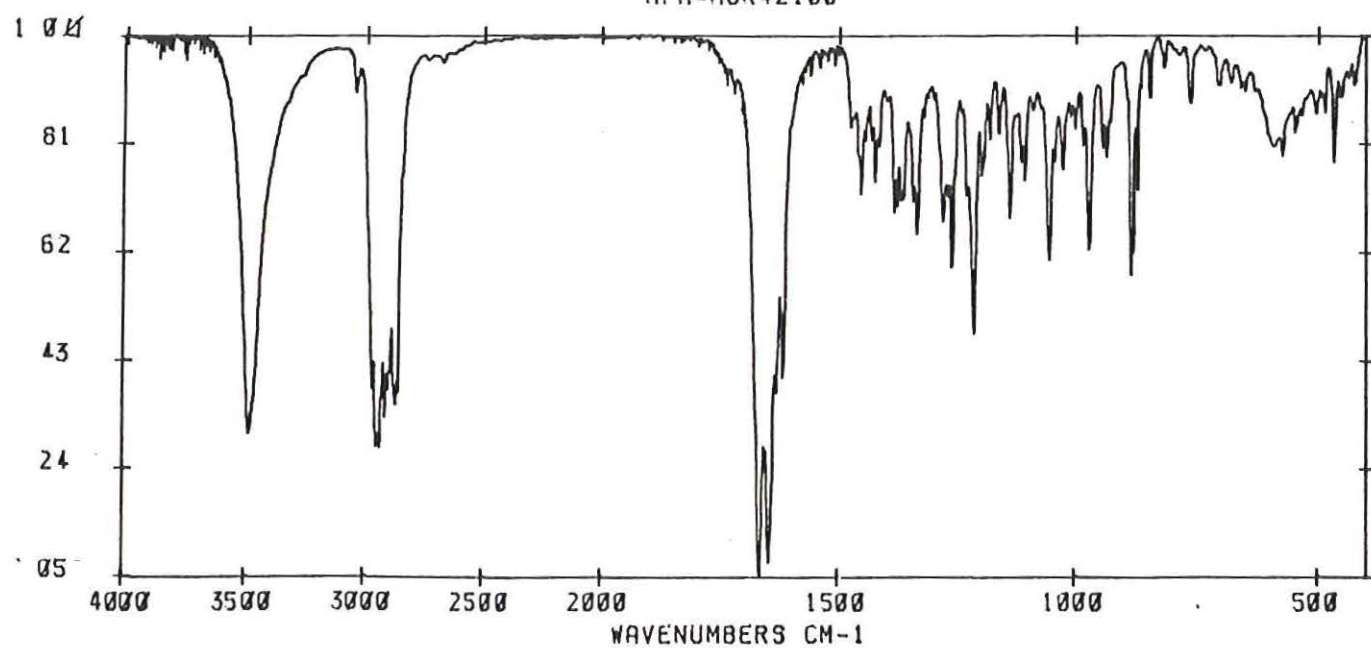
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	464.819	8.50	4
2	483.142	4.88	9
3	499.536	4.99	18
4	543.896	6.29	33
5	569.934	8.2	54
6	647.083	3.43	26
7	676.013	2.90	19
8	699.158	3.5	14
9	757.983	4.21	10
10	812.952	1.94	8
11	842.847	3.89	5
12	867.920	10.68	4
13	876.599	16.19	6
14	880.457	18.45	6
15	931.567	8.7	23
16	940.247	7.41	8
17	968.213	15.87	13
18	979.785	7.29	10
19	996.179	5.98	14
20	1022.217	8.99	14
21	1051.147	16.85	12
22	1103.223	9.89	8
23	1110.937	8.46	12
24	1135.046	13.4	9
25	1158.191	6.37	10
26	1177.478	6.75	10
27	1193.872	9.50	17
28	1211.230	24.98	13
29	1258.484	17.69	10
30	1276.807	13.41	14
31	1331.775	14.45	14
32	1339.490	11.72	10
33	1365.527	11.59	28
34	1374.207	12.3	13
35	1380.957	12.60	8
36	1421.460	10.2	19
37	1450.391	11.0	14
38	1559.363	2.38	76
39	1615.295	30.88	12
40	1628.796	33.26	16
41	1643.262	86.22	14
42	1662.549	100.0	11
43	2851.599	33.31	15
44	2862.207	35.18	48
45	2894.995	32.80	70
46	2904.639	37.48	22
47	2926.819	43.38	17
48	2944.177	43.11	17
49	2959.607	32.86	29
50	3030.005	3.56	22
51	3478.430	40.44	68
52	3744.592	1.50	2
53	3854.529	1.42	54

FLS=HOR42100



AFA=HOR42100



COMPOUND NAME: 17 BETA-19-NORTESTOSTERONE PROPIONATE, NANDROLONE PROPIONATE
 SYSTEMATIC NAME: 17 BETA-HYDROXYESTR-4-EN-3-ONE PROPIONATE
 CA NAME: ESTR -4-EN-3-ONE, 17-(1-OXOPROPOXY)-(17 BETA)
 CAS NUMBER: 7207-92-3
 MERCK INDEX NO (10^{ED}): 6215
 STERALIDS NUMBER: E 4090
 MOLECULAR FORMULE: C₂₁H₃₀O₃
 MOLECULAR WEIGHT: 330.45
 MELTING POINT: 55-60
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SERVA
 MANUFACTURER REFERENCE: 30955
 FLS: HOR42053

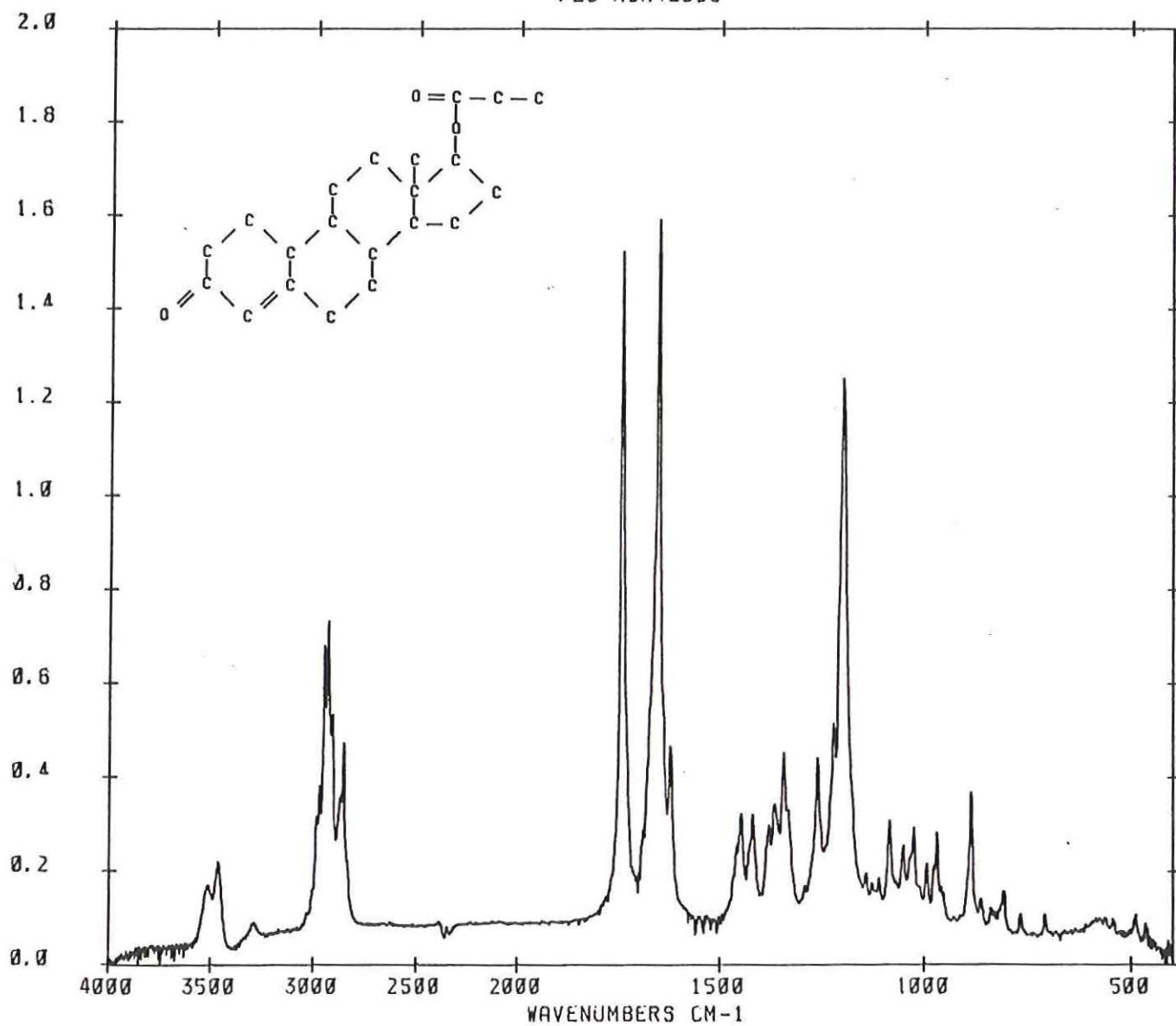
PEAK TABLE FILE : HOR42053

38 PEAKS.

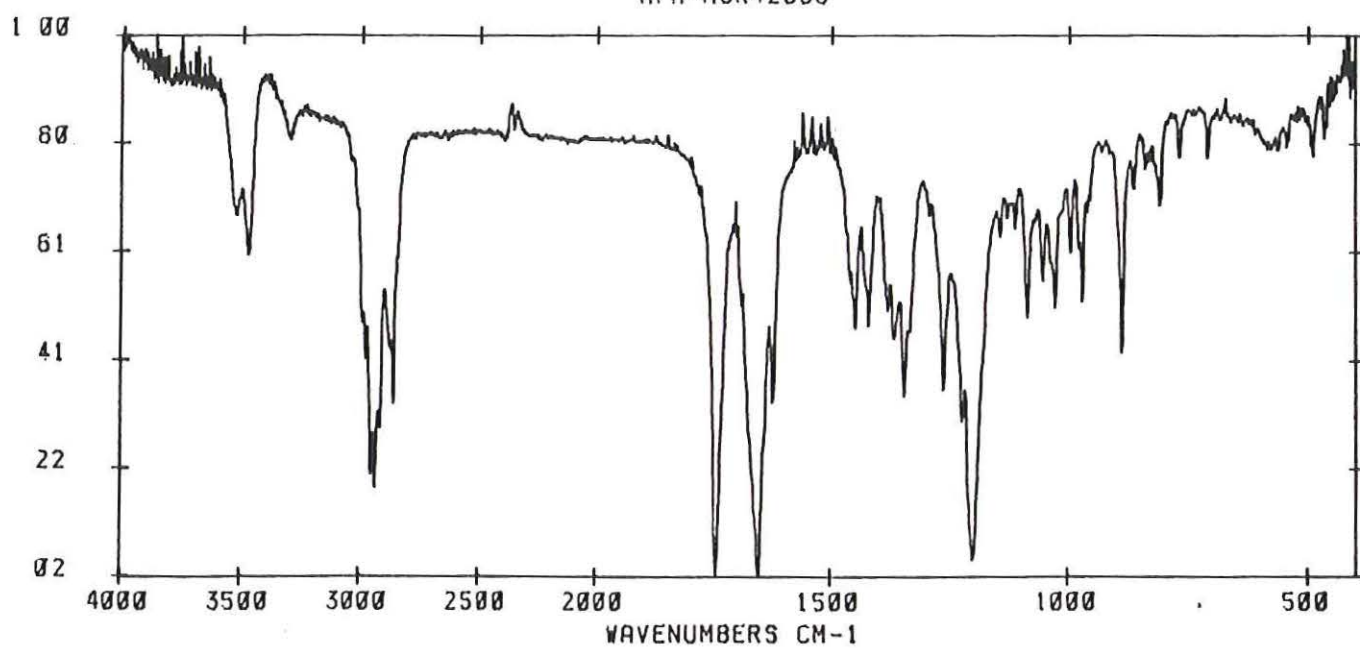
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	463.855	5.55	12
2	487.964	6.66	17
3	561.255	6.28	139
4	706.873	6.75	15
5	766.663	6.72	13
6	806.201	9.87	17
7	837.061	7.50	41
8	861.169	8.77	19
9	884.314	23.3	11
10	968.213	17.65	11
11	993.286	13.52	14
12	1025.110	18.29	19
13	1052.112	15.85	16
14	1084.900	19.26	15
15	1110.937	11.56	18
16	1143.726	12.17	20
17	1201.587	78.49	23
18	1225.696	32.35	19
19	1265.234	27.67	15
20	1346.240	28.44	26
21	1368.420	21.50	35
22	1381.921	18.63	29
23	1422.424	20.11	23
24	1448.462	20.32	25
25	1530.432	6.51	76
26	1551.648	6.44	35
27	1573.828	6.92	49
28	1620.117	29.25	18
29	1650.012	100.0	14
30	1740.662	95.68	10
31	2849.670	29.63	14
32	2906.567	33.44	22
33	2929.712	45.99	21
34	2947.070	42.83	19
35	2969.250	23.97	50
36	3285.559	5.63	106
37	3462.036	13.74	100
38	3789.917	2.60	157

FLS=H0R42053



AFA=H0R42053



COMPOUND NAME: 17 BETA-19-NORTESTOSTERONE DECANOATE, NANDROLONE DECANOATE
 SYSTEMATIC NAME: 17 BETA-((1-OXODECYL)-OXY) -ESTR -4-EN-3-ONE
 CA NAME: ESTR-4-EN-3-ONE, 17-((1-OXODECYL)OXY)-, (17 BETA)
 CAS NUMBER: 360-70-3
 MERCK INDEX NO (10 ED): 6212
 MOLECULAR FORMULE: C28H44O3
 MOLECULAR WEIGHT: 428.6
 MELTING POINT: 32-35
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: DECA-DURABOLIN, DECA-DURABOL, DECA-HYBOLIN, HYBOLIN DECANOATE
 MANUFACTURER: ORGANON
 MANUFACTURER REFERENCE: NORDEC 196
 CHARGE NUMBER: 56863
 FLS: HOR42039

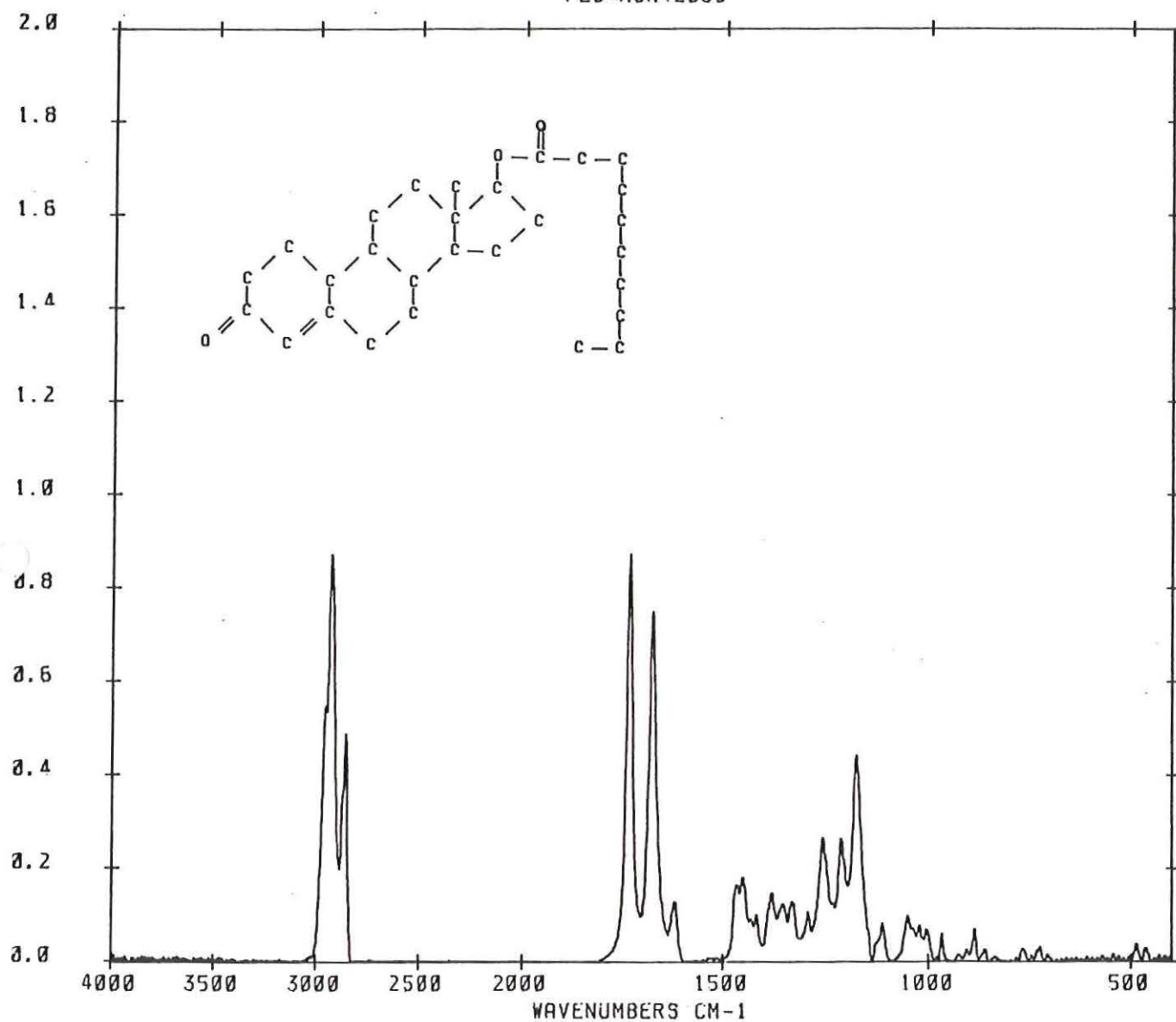
PEAK TABLE FILE : HOR42039

35 PEAKS.

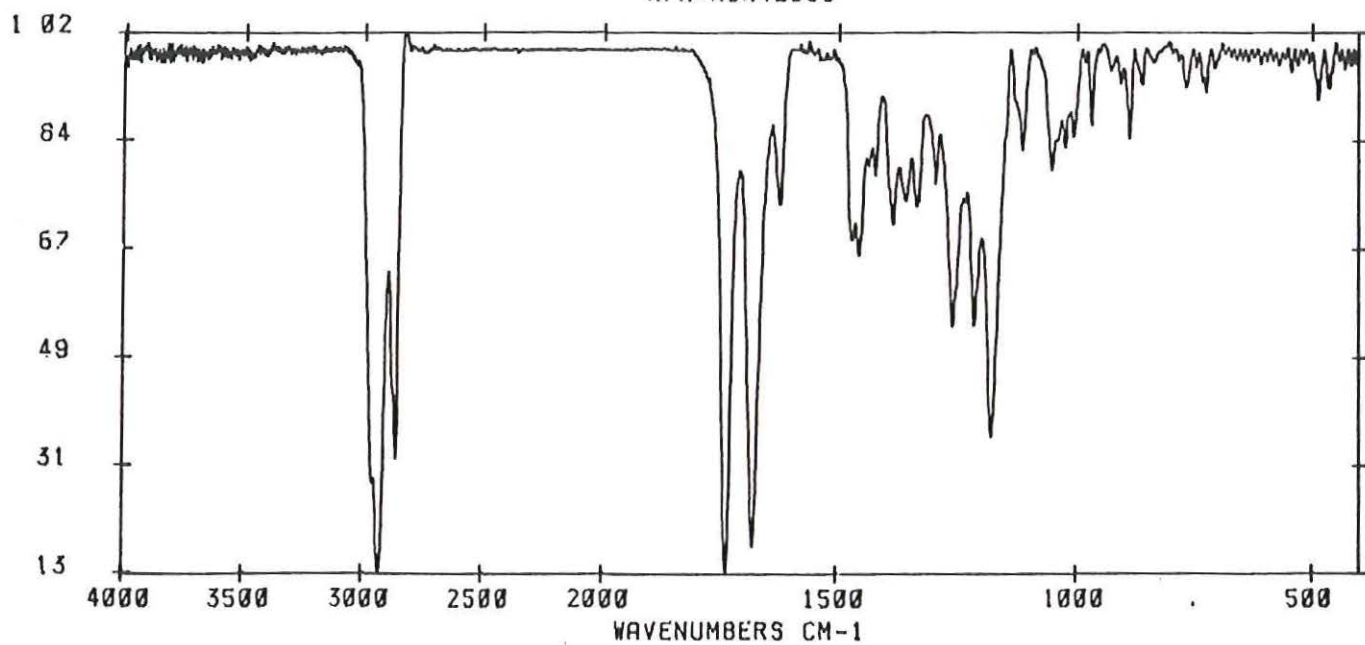
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	430.103	1.60	6
2	461.926	3.27	14
3	485.071	4.30	12
4	541.003	1.80	10
5	566.077	1.33	29
6	602.722	1.19	8
7	701.086	1.59	15
8	720.374	3.60	15
9	741.589	1.47	7
10	763.770	3.15	10
11	833.203	1.9	15
12	857.312	2.90	13
13	884.314	7.88	11
14	903.601	2.88	10
15	923.853	1.70	10
16	966.284	6.66	8
17	1004.858	7.65	19
18	1022.217	8.70	15
19	1051.147	11.7	20
20	1111.902	9.5	15
21	1177.478	50.55	24
22	1212.195	30.18	24
23	1257.520	30.25	28
24	1292.236	12.35	14
25	1331.775	14.75	26
26	1353.955	14.27	36
27	1380.957	16.91	29
28	1417.603	11.48	14
29	1453.284	20.52	30
30	1464.856	18.79	22
31	1619.153	14.62	15
32	1676.050	85.72	20
33	1733.911	99.87	17
34	2852.563	55.97	15
35	2926.819	100.0	59

FLS=H0R42039



AFA=H0R42039



COMPOUND NAME: 17 BETA-19-NORTESTOSTERONE LAURATE, NANDROLONE LAURATE
 SYSTEMATICNAME: 17 BETA-HYDROXYESTR-4-EN-3 ONE 17-DECANOATE
 MOLECULAR FORMULE: C30H48O3
 MOLECULAR WEIGHT: 456
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: ?
 MANUFACTURER REFERENCE: CHARGE 48
 CHARGE NUMBER: 010483
 FLS: HOR42034

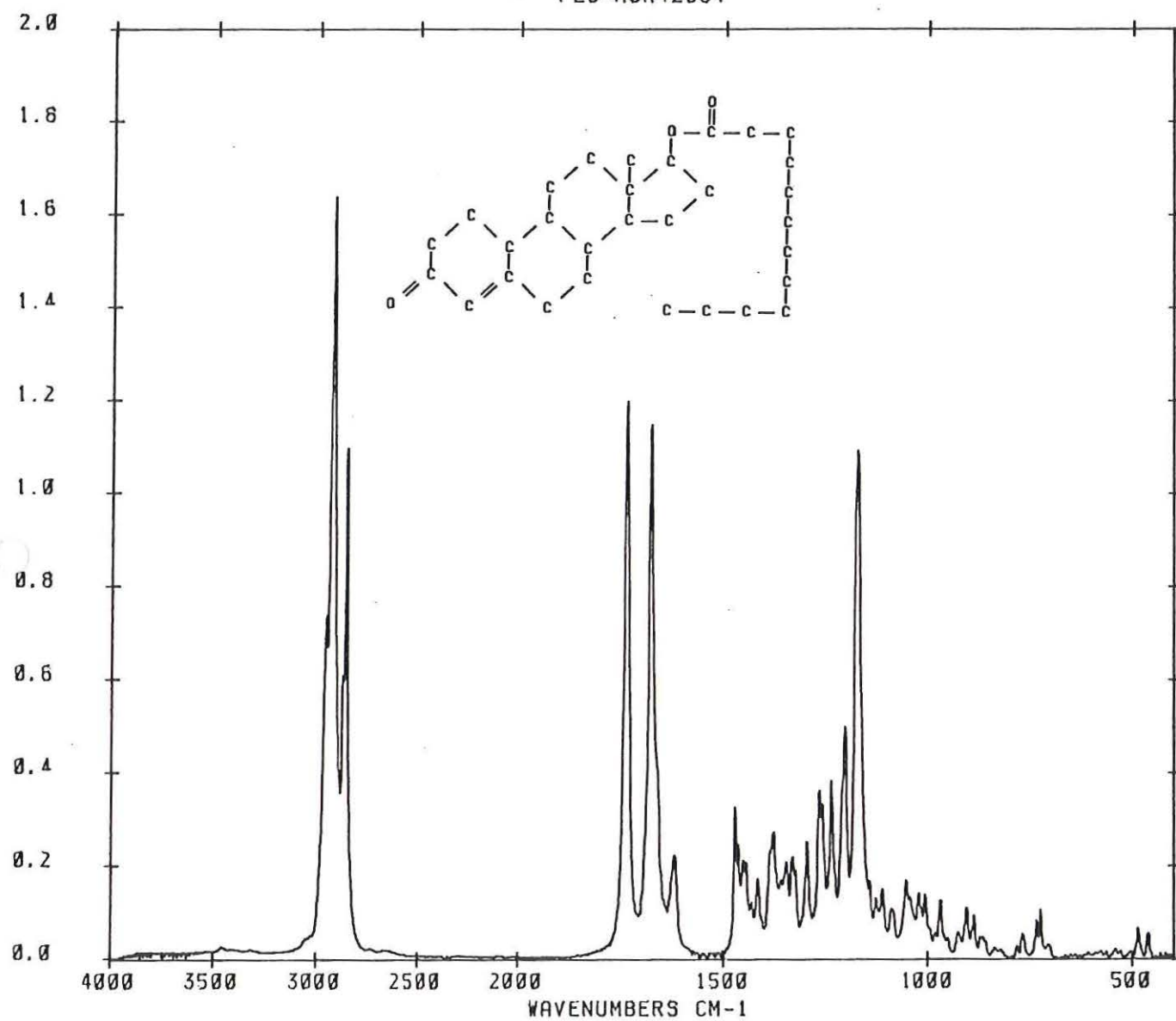
PEAK TABLE FILE : HOR42034

36 PEAKS.

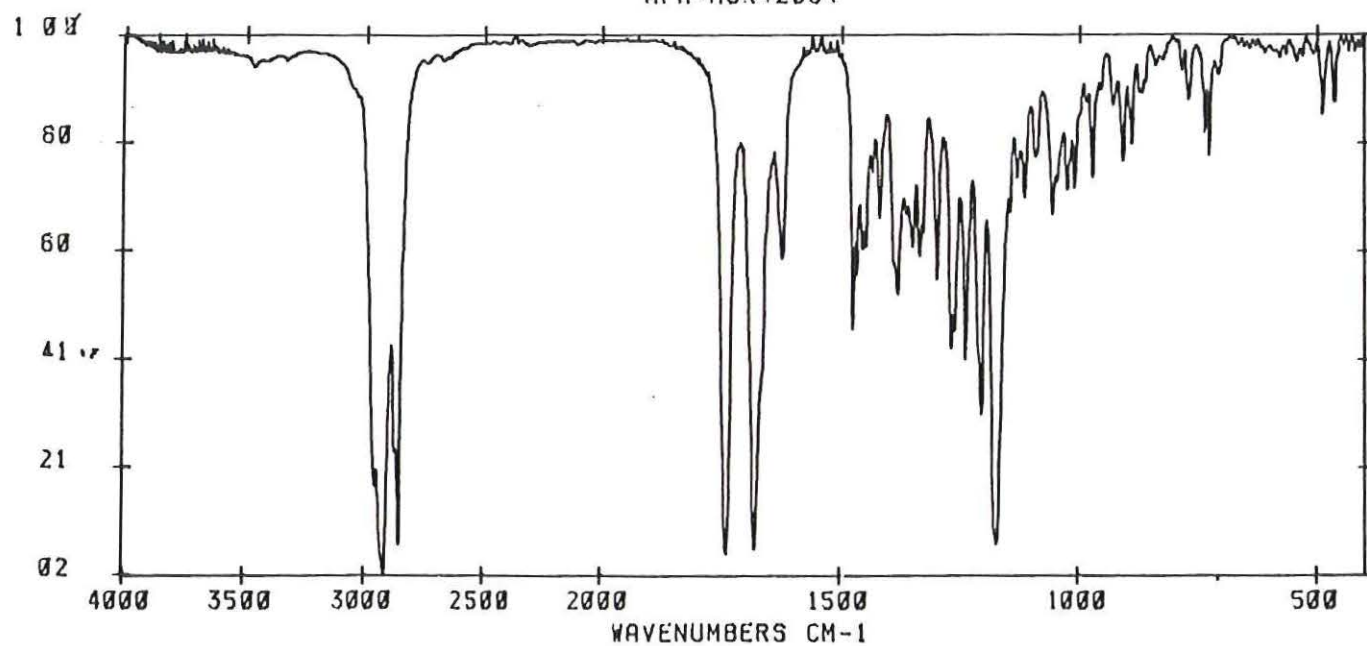
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	462.891	3.36	6
2	486.035	4.5	7
3	719.409	6.46	7
4	729.053	5.11	8
5	764.734	3.26	11
6	864.062	2.92	24
7	885.278	5.77	12
8	903.601	6.80	12
9	923.853	3.55	12
10	967.249	7.79	11
11	1004.858	8.51	13
12	1020.288	8.62	16
13	1053.076	10.30	27
14	1089.722	6.55	22
15	1112.866	9.11	14
16	1129.260	7.87	16
17	1174.585	66.56	17
18	1205.444	30.52	18
19	1240.161	23.31	11
20	1262.341	20.20	15
21	1269.092	22.2	12
22	1298.987	15.38	11
23	1334.668	13.42	20
24	1349.133	12.72	21
25	1380.957	16.63	21
26	1417.603	10.59	11
27	1446.533	12.68	13
28	1452.319	12.90	21
29	1463.892	14.95	9
30	1472.571	20.3	6
31	1619.153	13.56	20
32	1676.050	70.9	14
33	1734.875	73.7	14
34	2849.670	67.9	16
35	2915.247	100.0	32
36	2953.821	45.4	39

FLS=HOR42034



AFA=HOR42034



COMPOUND NAME: 17 BETA-19-NORTESTOSTERONE PHENPROPIONATE,
 SYSTEMATIC NAME: 17 BETA-HYDROXYESTR-4-EN-3-ONE 3 PHENYL-PROPIONATE
 CA NAME: ESTR-4-EN-3-ONE, -(1-OXO-3-PHENYLPROPOXY)-, (17 BETA)
 CAS NUMBER: 62-90-8
 MERCK INDEX NO (10 ED): 6214
 STERALDIDS NUMBER: -
 MOLECULAR FORMULE: C27H34O3
 MOLECULAR WEIGHT: 406.54
 MELTING POINT: 95-96
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: DURABOLIN, DURABOL, NANDROLIN
 MANUFACTURER: ORGANON
 MANUFACTURER REFERENCE: 56862
 CHARGE NUMBER: NOR TPF Z 239
 FLS: HOR42040

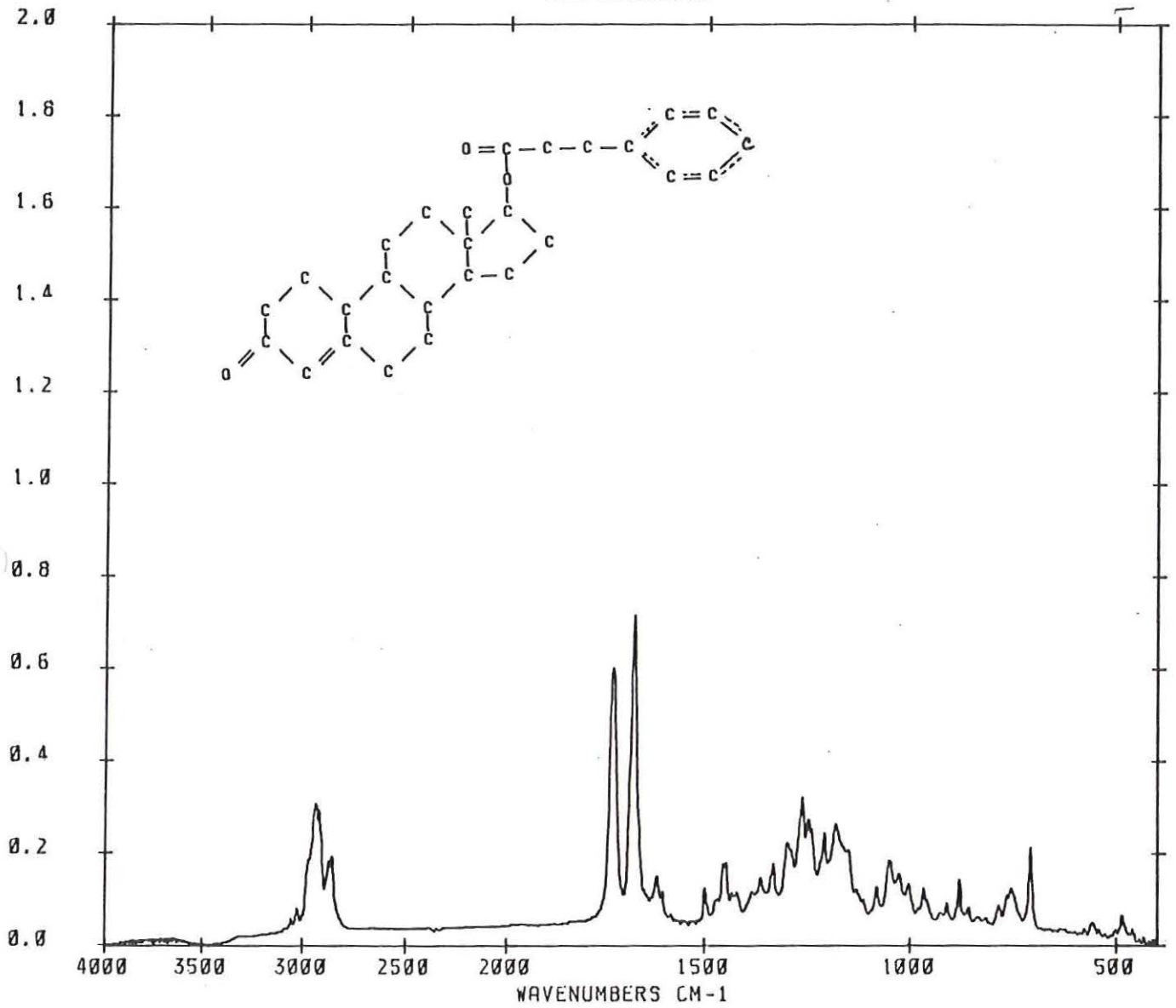
PEAK TABLE FILE : HOR42040

38 PEAKS.

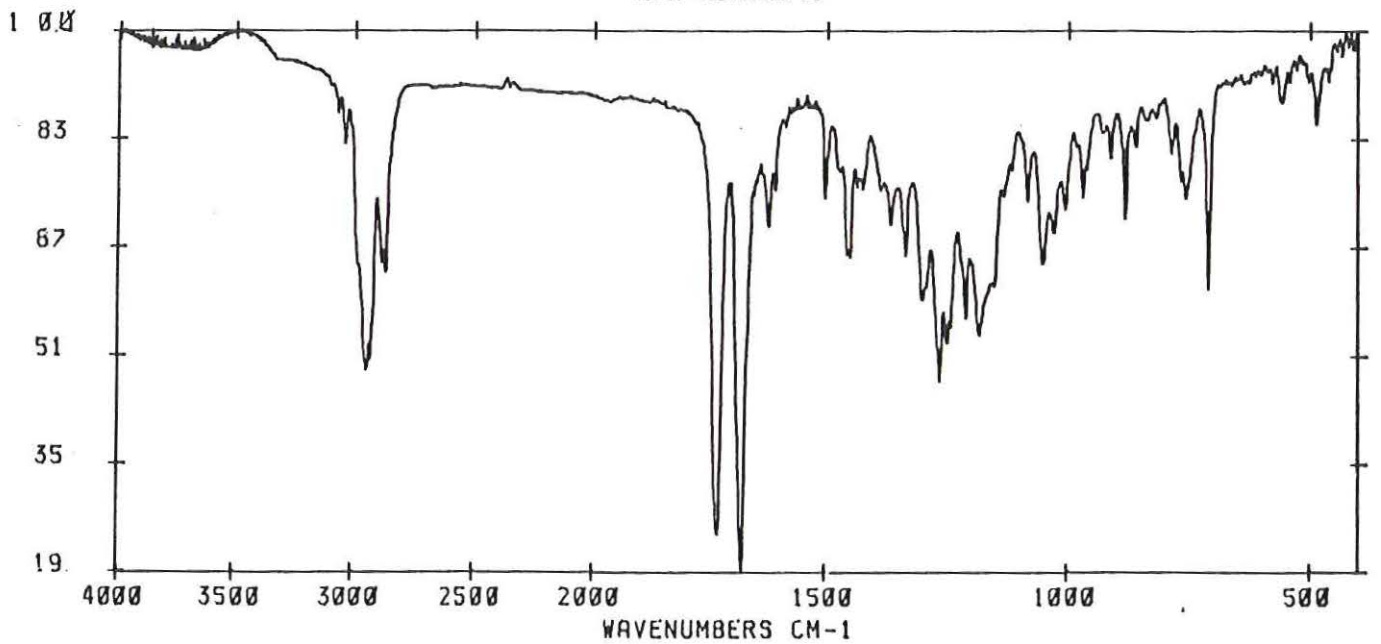
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	485.071	9.7	10
2	554.504	6.90	34
3	574.756	4.90	15
4	703.979	29.45	10
5	752.197	17.37	41
6	762.805	15.41	15
7	782.092	12.20	24
8	832.239	8.65	93
9	856.348	11.45	19
10	878.528	19.83	12
11	908.423	12.70	15
12	965.320	17.27	25
13	1001.965	18.62	24
14	1026.074	21.63	30
15	1049.219	25.75	25
16	1080.078	17.68	17
17	1177.478	36.67	93
18	1205.444	33.92	21
19	1244.983	37.96	47
20	1259.448	44.87	23
21	1297.058	31.7	23
22	1329.846	24.67	23
23	1362.634	20.60	77
24	1420.496	16.12	29
25	1447.498	24.85	22
26	1500.537	17.35	13
27	1603.723	16.38	14
28	1618.188	20.88	20
29	1675.085	100.0	17
30	1730.054	84.18	21
31	2856.421	26.82	24
32	2871.851	25.52	41
33	2920.068	40.86	41
34	2936.462	42.82	87
35	3026.147	11.19	27
36	3054.114	7.95	127
37	3657.800	1.94	95
38	3855.493	1.61	171

FLS=HOR42040



AFA=HOR42040



COMPOUND NAME: ETHISTERONE, ETHYNYLTESTOSTERONE
 SYSTEMATIC NAME: 17 ALPHA-HYDROXYFREGN-4-EN-20-YN-3-ONE
 CA NAME: FREGN-4-EN-20-YN-3-ONE, 17-HYDROXY, (17 ALPHA)
 CAS NUMBER: 434-03-7
 MERCK INDEX NO (10 ED): 3689
 STERALIDS NUMBER: A 6100
 MOLECULAR FORMULE: C21H28O2
 MOLECULAR WEIGHT: 312.4
 MELTING POINT: 269-275
 SAMPLE TECHNIQUE: MICRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: PROGESTORAL, FRANDONE, GESTORAL
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: E-1001
 CHARGE NUMBER: 92F-0630
 FLS: HOR42032

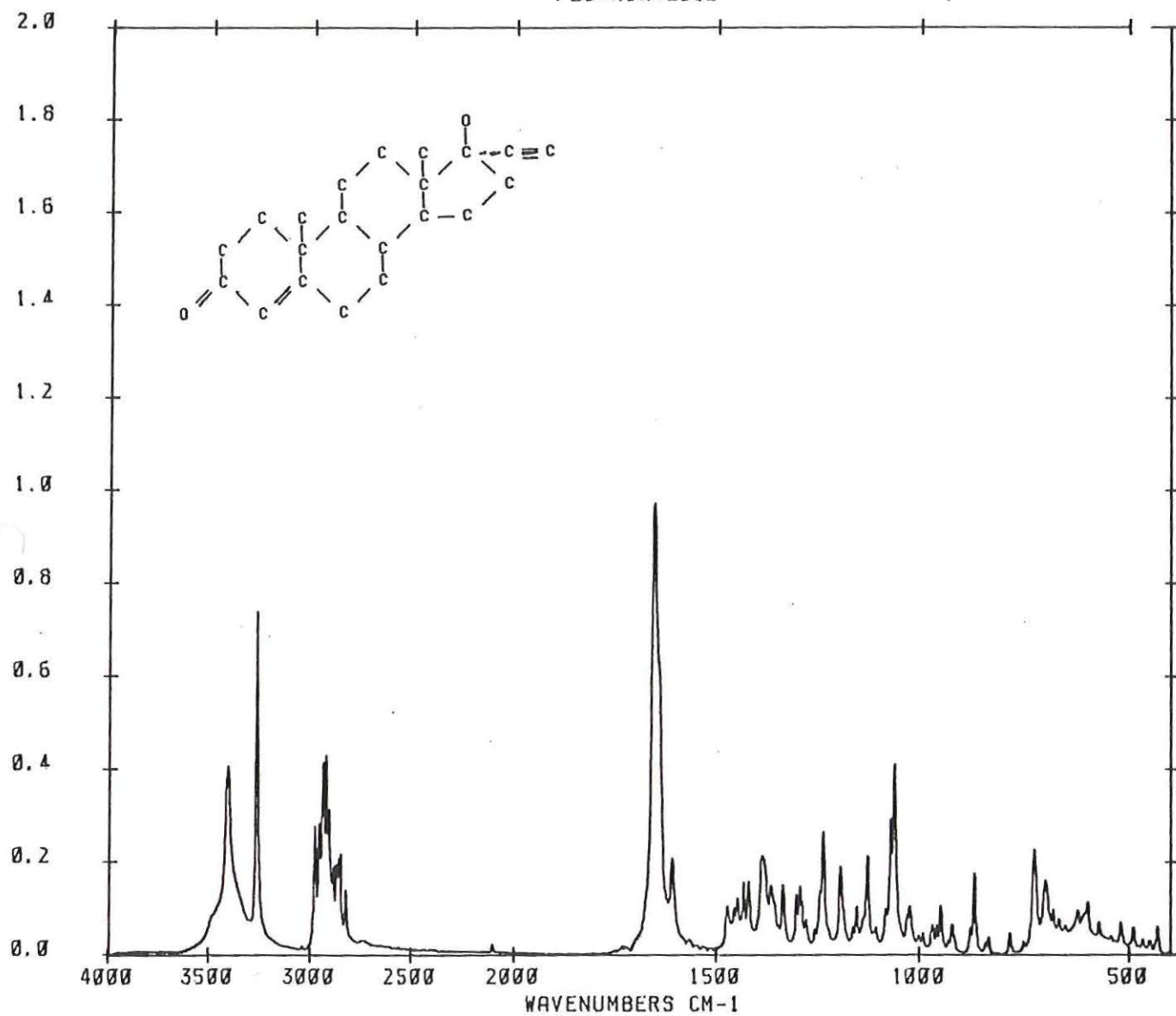
PEAK TABLE FILE : HOR42032

59 PEAKS.

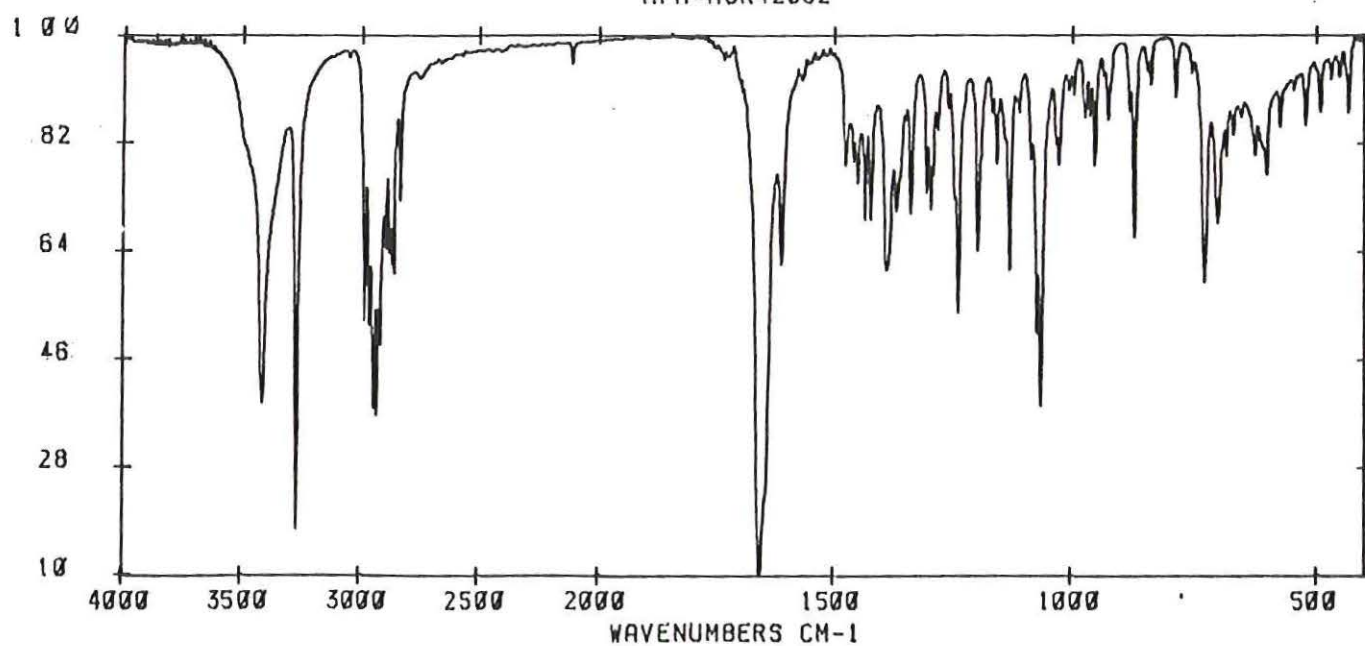
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	432.031	6.14	8
2	451.318	3.17	9
3	467.712	3.38	9
4	488.928	5.99	8
5	519.788	7.20	8
6	570.898	7.28	10
7	596.936	11.61	14
8	621.045	9.80	18
9	665.405	7.96	13
10	679.871	9.89	9
11	697.229	16.54	17
12	724.231	23.40	13
13	784.021	4.83	6
14	835.132	3.77	5
15	868.884	18.6	5
16	877.563	6.6	8
17	921.924	6.67	10
18	948.926	10.74	6
19	958.569	6.43	6
20	968.213	6.49	9
21	991.357	4.64	9
22	1001.001	4.26	15
23	1023.181	10.70	19
24	1059.827	42.21	9
25	1068.506	30.12	8
26	1081.042	10.25	8
27	1105.151	6.4	10
28	1125.403	21.81	9
29	1151.440	10.56	8
30	1161.084	6.10	10
31	1190.979	19.58	10
32	1232.446	27.28	9
33	1252.698	5.71	6
34	1274.878	7.57	14
35	1288.379	15.13	13
36	1297.058	13.45	8
37	1330.811	15.48	9
38	1361.670	15.26	34
39	1382.886	21.92	23
40	1417.603	16.16	10
41	1430.139	16.22	6
42	1446.533	12.44	12
43	1455.212	10.48	14
44	1472.571	10.78	10
45	1612.402	21.25	16
46	1658.691	100.0	25
47	2103.259	2.17	11
48	2823.633	14.24	12
49	2848.706	22.40	8
50	2855.457	21.30	20
51	2867.993	19.90	15
52	2885.352	19.45	13
53	2907.532	32.8	13
54	2921.033	44.24	10
55	2934.534	42.70	17
56	2954.785	29.28	12
57	2976.001	28.61	14
58	3260.486	76.1	11
59	3403.210	41.92	38

FLS=HOR42032



AFA=HOR42032



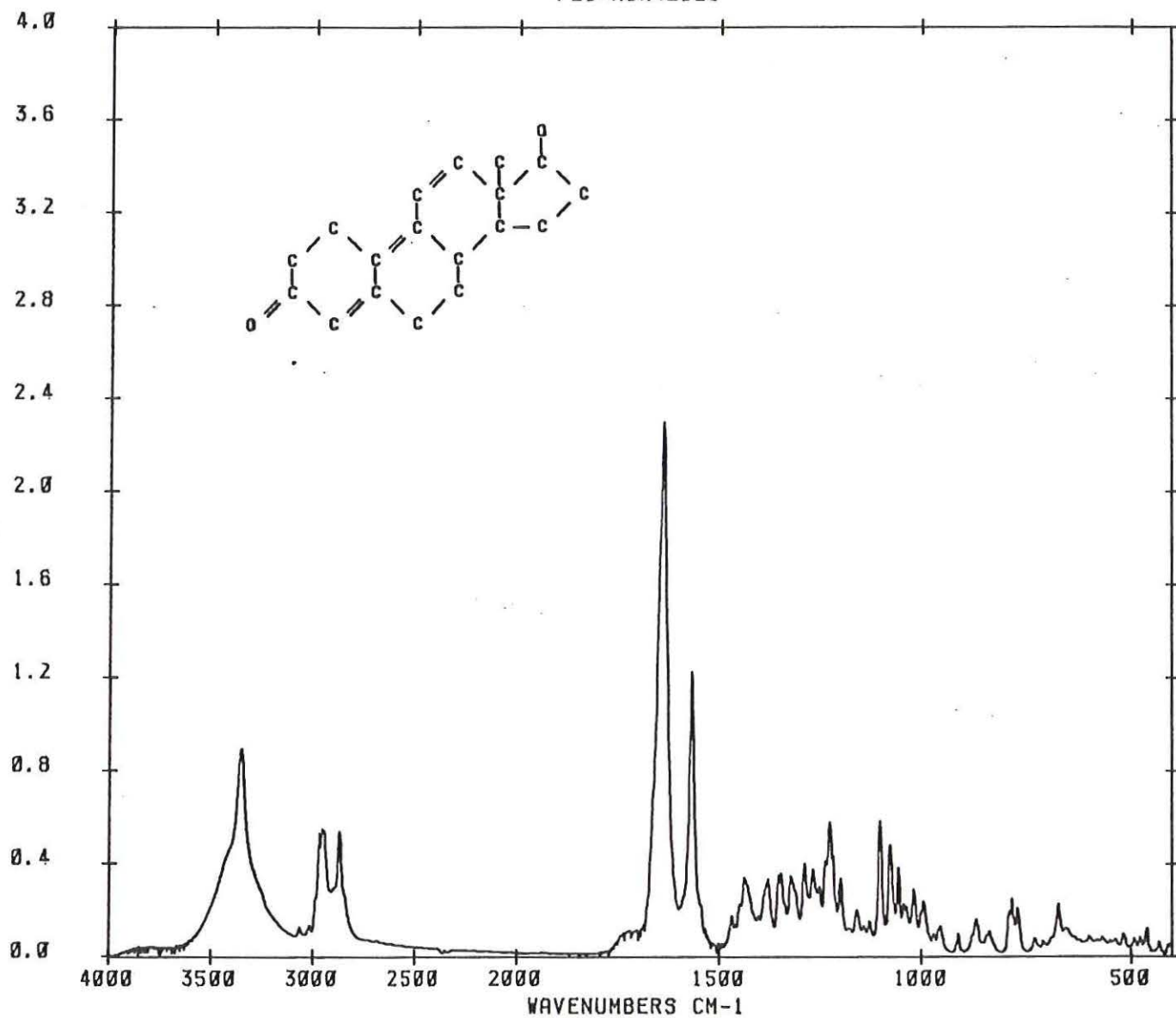
COMPOUND NAME: 17 BETA-TRENBOLONE
 SYSTEMATIC NAME: 17 BETA-HYDROXYESTRA-4,9,11-TRIEN-3-ONE
 CA NAME: ESTRA-4,9,11-TRIEN-3 ONE, 17-HYDROXY-, (17 BETA)
 CAS NUMBER: 10161-33-8
 MERCK INDEX NO (10 ED): 9402
 STERALDIDS NUMBER: -
 MOLECULAR FORMULE: C18H22O2
 MOLECULAR WEIGHT: 270.38
 MELTING POINT: 186
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: TRIENBOLONE, TRIENOLONE
 MANUFACTURER: ROUSSEL UCLAF
 MANUFACTURER REFERENCE: 3E 0657
 CHARGE NUMBER: -
 FLS: HOR42023

PEAK TABLE FILE : HOR42023
 42 PEAKS.

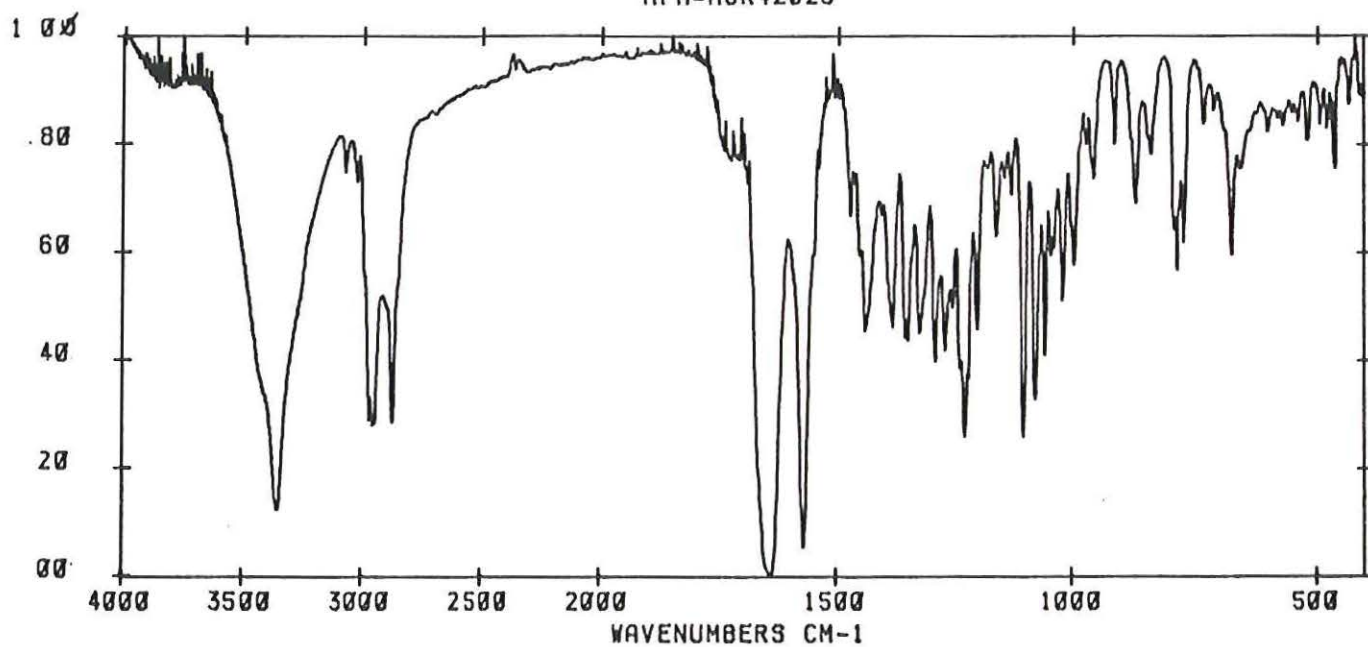
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	432.031	2.57	10
2	461.926	5.29	8
3	517.859	4.4	14
4	672.156	9.78	13
5	727.124	3.35	13
6	769.556	9.1	13
7	783.057	10.70	21
8	836.096	4.62	25
9	867.920	6.96	18
10	911.316	4.20	9
11	953.748	5.74	20
12	969.177	4.19	13
13	994.250	10.30	22
14	1017.395	12.57	13
15	1042.468	9.75	29
16	1054.041	16.70	8
17	1075.256	20.90	12
18	1101.294	25.46	11
19	1125.403	6.49	13
20	1158.191	8.70	15
21	1198.694	14.60	14
22	1225.696	25.26	24
23	1250.769	13.10	14
24	1267.163	16.31	16
25	1288.379	17.32	11
26	1322.131	15.1	30
27	1346.240	15.51	16
28	1352.991	15.31	12
29	1379.028	14.48	27
30	1437.854	14.77	29
31	1469.678	7.60	15
32	1569.006	53.43	14
33	1639.404	100.0	27
34	1703.052	4.89	77
35	1736.804	4.48	41
36	2866.064	23.42	44
37	2950.928	23.84	63
38	2965.393	23.23	27
39	3064.722	5.44	30
40	3353.064	39.6	95
41	3789.917	1.91	280
42	3859.351	1.70	21

FLS=H0R42023



RFA=H0R42023



COMPOUND NAME: TRENBOLONE 17 ALPHA
 SYSTEMATIC NAME: 17 ALPHA-HYDROXYESTRA-4,9,11-TRIEN-3-ONE
 CA NAME: ESTRA-4,9,11-TRIEN-3 ONE, 17-HYDROXY-, (17 ALPHA)
 CAS NUMBER: 80657-17-6
 MOLECULAR FORMULE: C18H22O2
 MOLECULAR WEIGHT: 270.4
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER:
 FLS: HOR42024

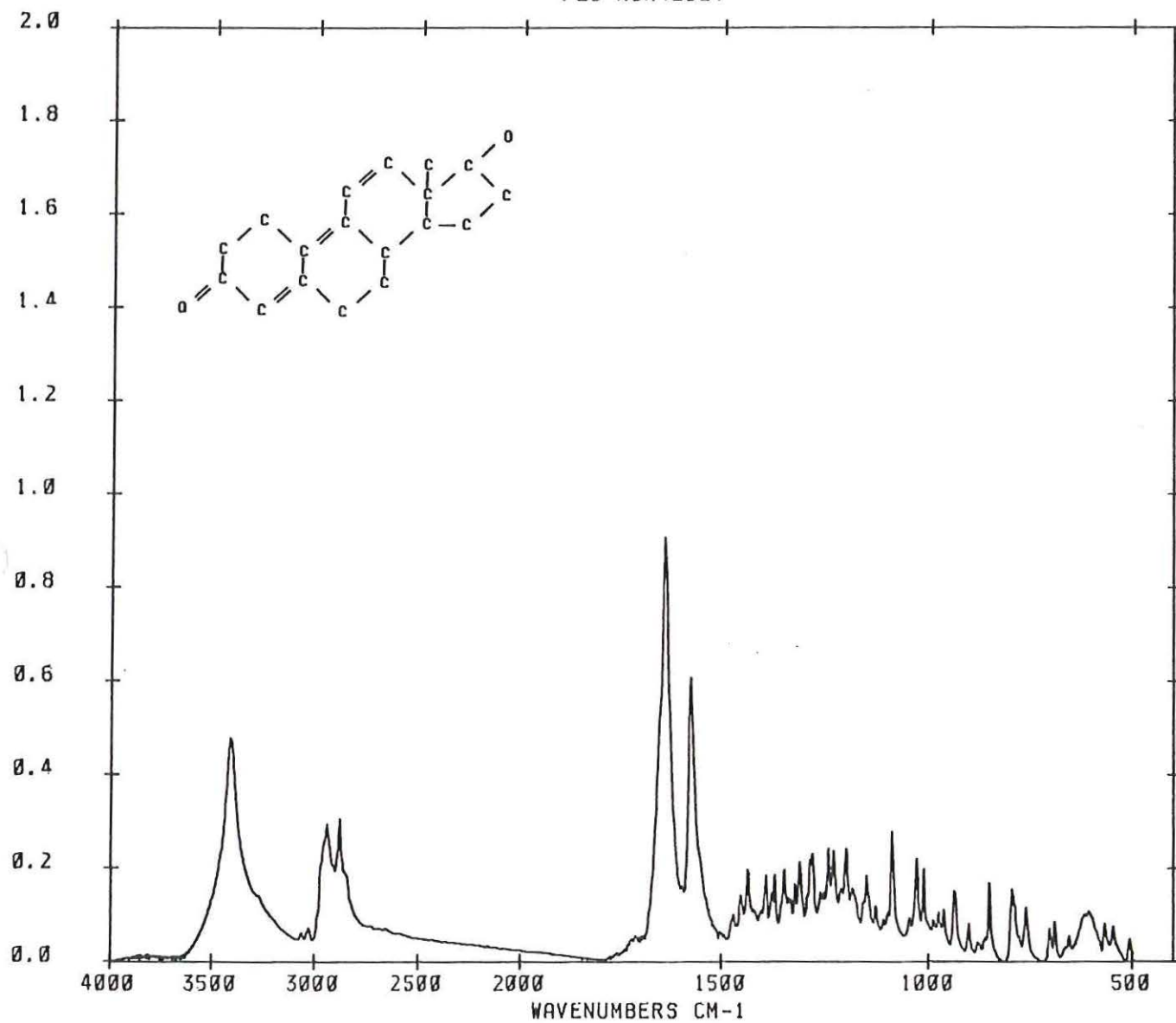
PEAK TABLE FILE : HOR42024

45 PEAKS.

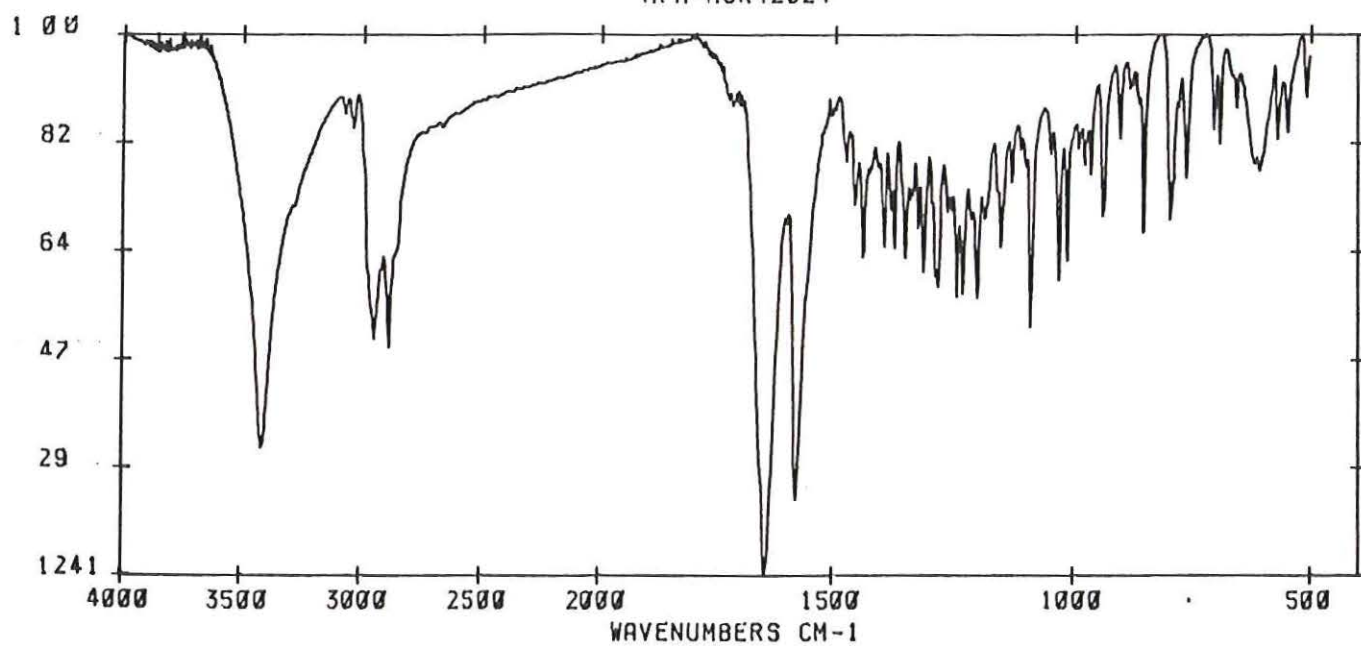
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	545.825	8.22	8
2	567.041	8.86	8
3	605.615	11.91	52
4	653.833	6.2	8
5	688.550	9.28	4
6	702.051	7.93	10
7	761.841	12.60	12
8	794.629	17.3	14
9	852.490	18.64	8
10	879.492	4.39	21
11	900.708	8.81	12
12	937.354	16.68	12
13	962.427	12.32	10
14	973.999	11.38	12
15	987.500	9.79	14
16	1010.645	21.88	8
17	1028.003	24.31	8
18	1045.361	10.33	15
19	1087.793	30.77	10
20	1126.367	13.12	12
21	1149.512	20.16	15
22	1182.300	16.97	35
23	1197.729	26.69	14
24	1228.589	26.20	12
25	1240.161	26.61	12
26	1259.448	16.28	19
27	1278.735	25.27	21
28	1309.595	23.30	14
29	1321.167	18.21	10
30	1336.597	14.92	44
31	1346.240	21.53	10
32	1369.385	20.45	8
33	1377.100	16.15	15
34	1390.601	20.25	12
35	1434.961	21.55	10
36	1450.391	15.51	17
37	1469.678	11.8	23
38	1502.466	6.78	56
39	1577.686	66.98	23
40	1643.262	100.0	29
41	1712.695	5.90	42
42	2875.708	33.76	85
43	2937.427	32.54	77
44	3026.147	7.83	42
45	3409.961	52.79	93

FLS=HOR42024



AFA=HOR42024



COMPOUND NAME: TRENBOLONE ACETATE
 SYSTEMATIC NAME: 17 BETA ACETOXY-3-OXOESTRA-4,9,11-TRIENE
 CA NAME: ESTRA-4,9,11-TRIEN-3-ONE,17-(ACETYLOXY)-
 CAS NUMBER: 10161-34-9
 MOLECULAR FORMULE: C20H24O3
 MOLECULAR WEIGHT: 312
 MELTING POINT: 96-97
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: FINAPLIX
 MANUFACTURER:
 FLS: HOR42102
 MERCK INDEX NO (10 ED):9402

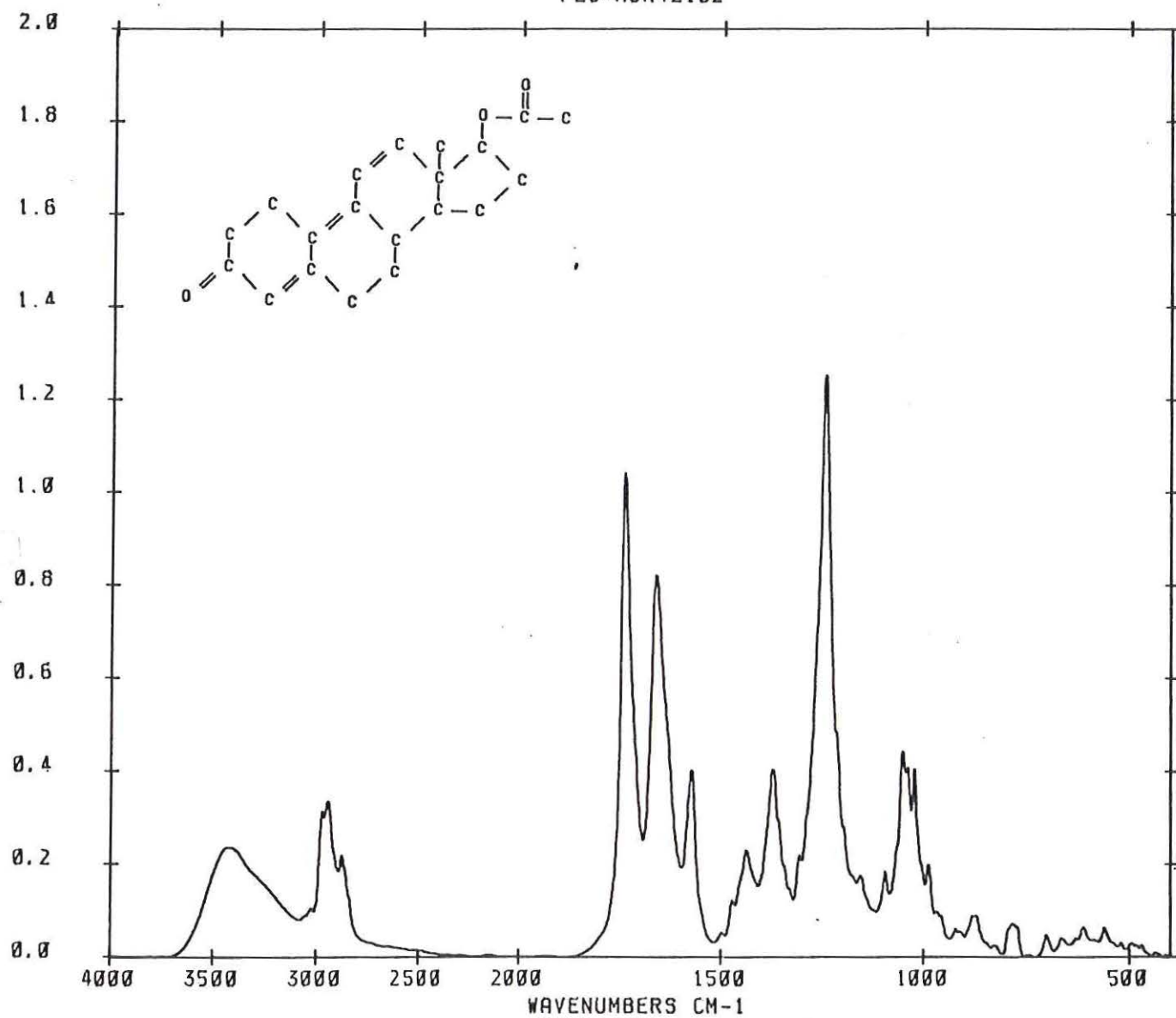
PEAK TABLE FILE : HOR42102

21 PEAKS.

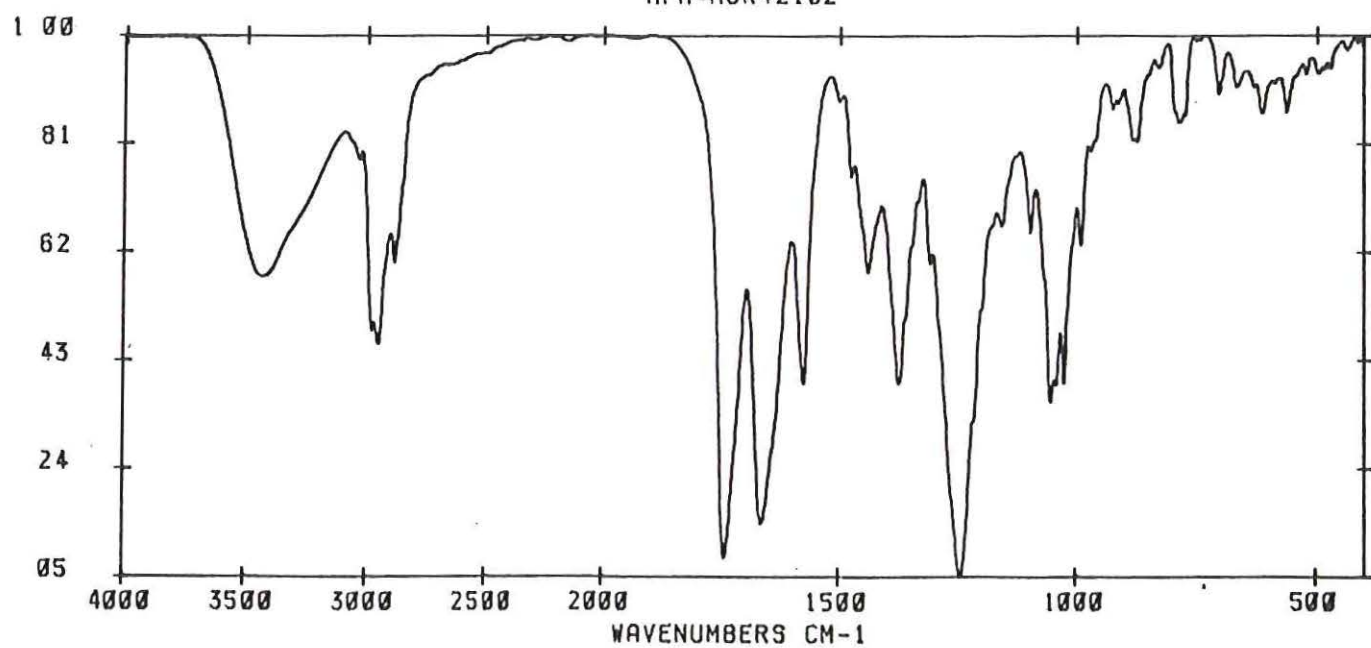
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	557.397	4.95	17
2	605.615	5.4	27
3	657.690	3.21	21
4	695.300	3.70	17
5	776.306	5.68	33
6	867.920	7.9	38
7	919.031	4.77	50
8	986.536	15.66	23
9	1023.181	32.25	22
10	1053.076	35.29	21
11	1095.508	14.53	23
12	1157.227	13.90	40
13	1244.983	100.0	41
14	1375.171	32.27	43
15	1438.818	18.42	50
16	1572.864	32.21	31
17	1659.656	65.61	48
18	1736.804	83.29	29
19	2876.672	17.39	83
20	2943.213	26.77	86
21	3423.462	18.89	344

FLS=HOR42102



AFA=HOR42102



COMPOUND NAME: PROGESTERONE
 SYSTEMATIC NAME: DELTA 4-PREGNENE-3,20-DIONE
 CA NAME: PREGN-4-ENE-3,20-DIONE
 CAS NUMBER: 57-83-0
 MERCK INDEX NO (10 ED): 7678
 STERALDIDS NUMBER: Q 2600
 MOLECULAR FORMULE: C21H30O2
 MOLECULAR WEIGHT: 314.5
 MELTING POINT: 127-131
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: P-0130
 CHARGE NUMBER: 13F-0838
 FLS: HOR42017

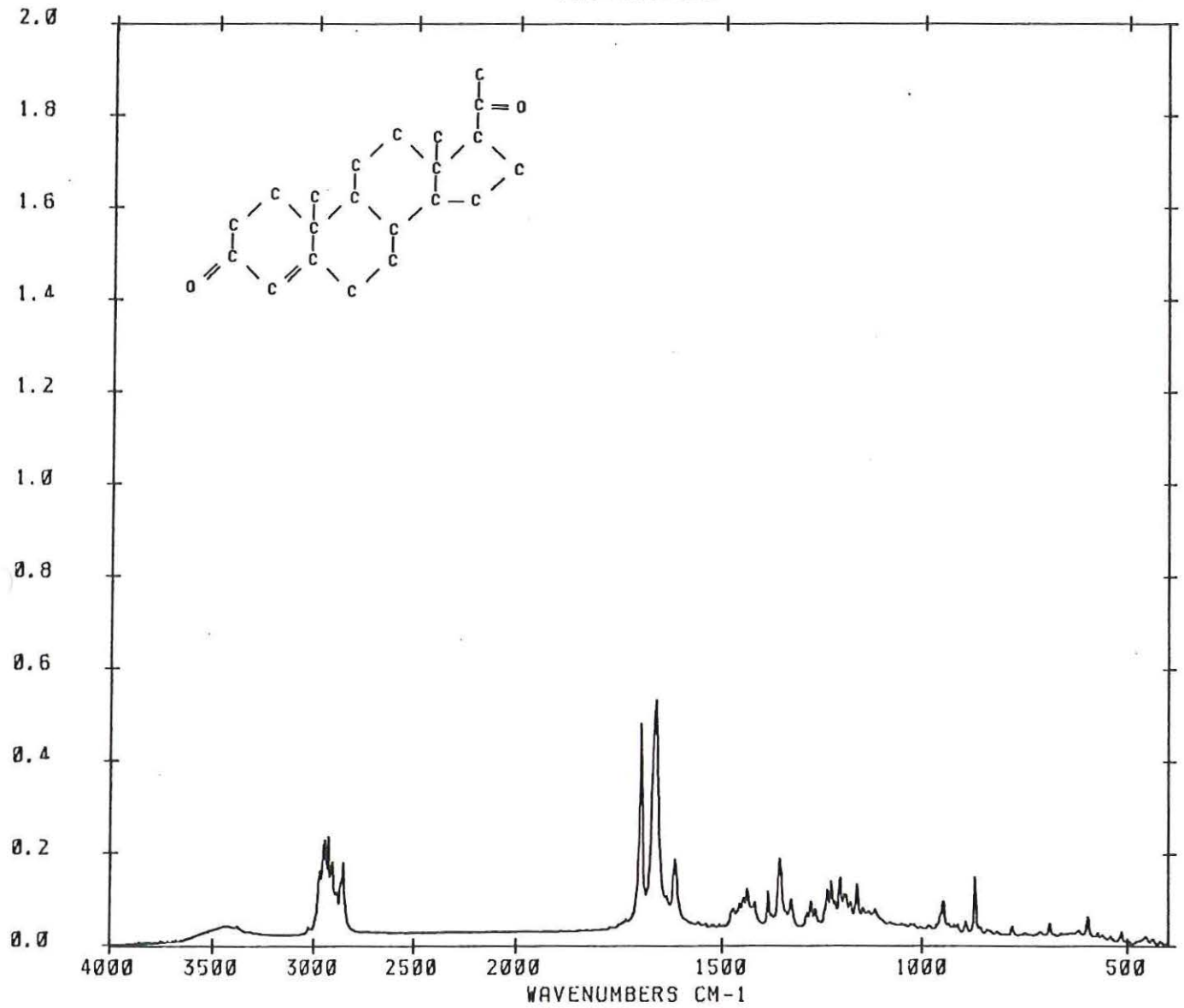
PEAK TABLE FILE : HOR42017

45 PEAKS.

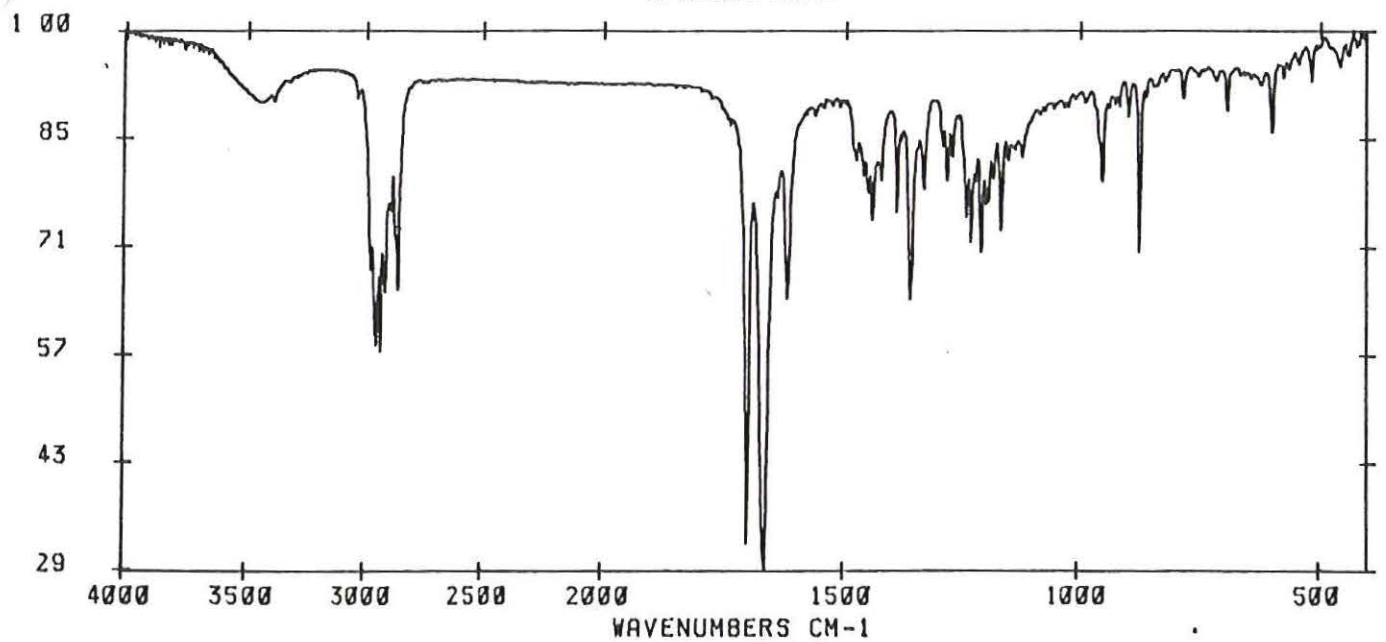
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	418.530	1.70	14
2	453.247	3.87	32
3	513.037	5.49	7
4	539.075	3.63	17
5	570.898	5.18	25
6	594.043	11.61	10
7	616.223	6.5	39
8	686.621	8.97	8
9	709.766	3.52	27
10	746.411	5.11	24
11	778.233	7.56	9
12	870.813	27.93	4
13	892.993	9.78	10
14	913.245	8.47	14
15	947.961	17.92	15
16	982.678	8.6	36
17	1115.759	14.75	37
18	1146.619	15.10	24
19	1162.048	24.67	10
20	1178.442	17.54	16
21	1193.872	21.1	26
22	1204.480	27.78	11
23	1227.625	26.34	11
24	1237.268	22.80	17
25	1268.127	14.74	16
26	1278.735	17.86	11
27	1288.379	13.49	15
28	1327.917	18.87	13
29	1357.812	35.39	13
30	1385.779	22.20	7
31	1419.531	17.75	14
32	1438.818	23.22	14
33	1447.498	19.40	20
34	1457.141	17.16	17
35	1472.571	15.18	29
36	1616.260	35.25	15
37	1662.549	100.0	19
38	1699.194	90.61	9
39	2850.635	33.81	30
40	2905.603	34.7	23
41	2924.890	44.42	11
42	2942.249	43.32	21
43	2951.892	41.46	14
44	2968.286	30.66	29
45	3425.391	8.1	311

FLS=HOR42017



RFA=HOR42017



COMPOUND NAME: MEDROXYPROGESTERONE
 SYSTEMATIC NAME: 17-HYDROXY-6-METHYL-PREGN-4-ENE-3,20-DIONE
 CA NAME: PREGN-4-ENE-3,20-DIONE,17 HYDROXY-6-METHYL-, (6 ALPHA)
 CAS NUMBER: 520-85-4
 MERCK INDEX NO (10 ED): 5614
 STERALIDS NUMBER: Q 3020
 MOLECULAR FORMULE: C22H32O3
 MOLECULAR WEIGHT: 344.5
 MELTING POINT: 220-223.5
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: N-6013
 CHARGE NUMBER: 63F-7810
 FLS: HOR42018

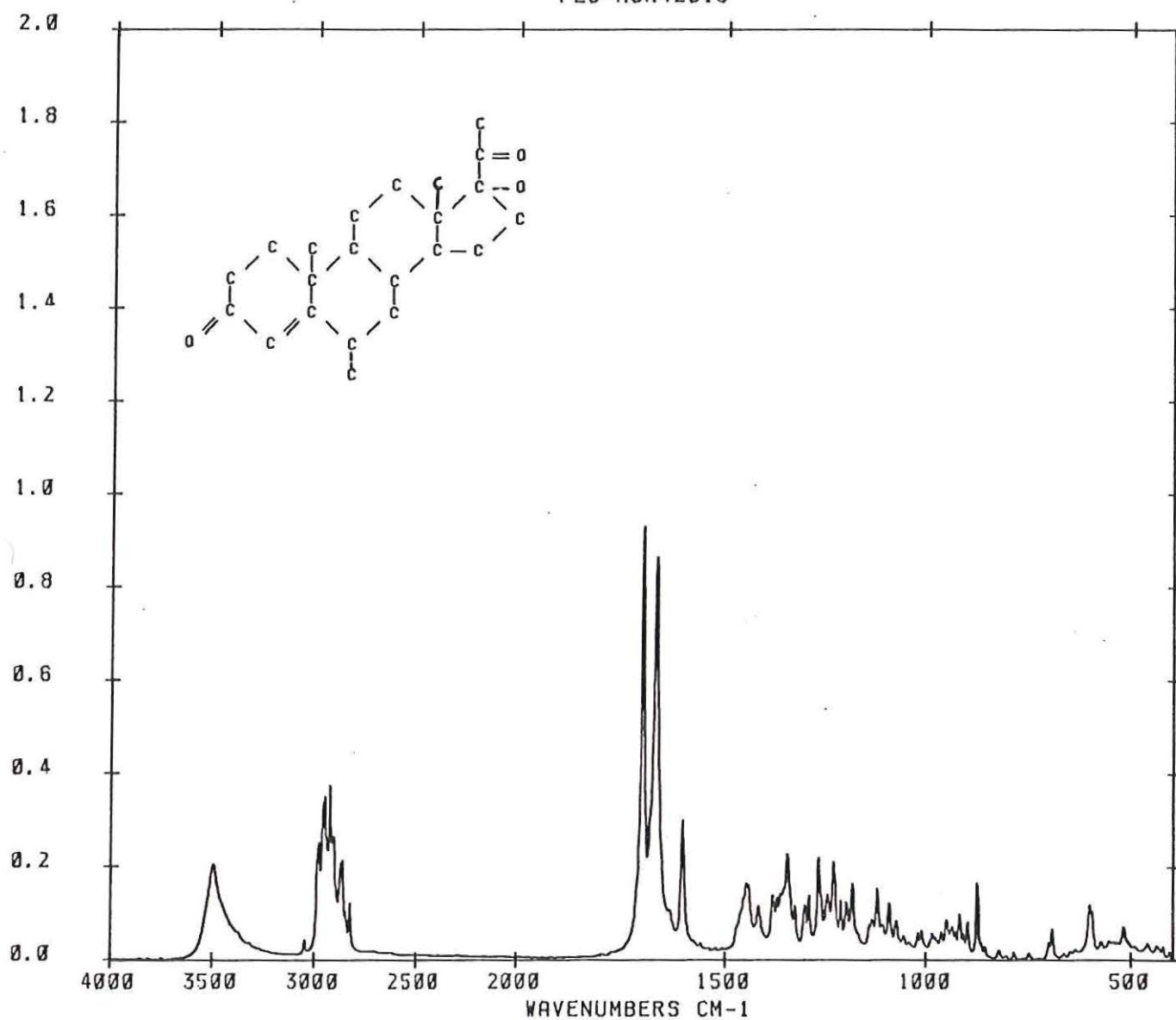
PEAK TABLE FILE : HOR42018

49 PEAKS.

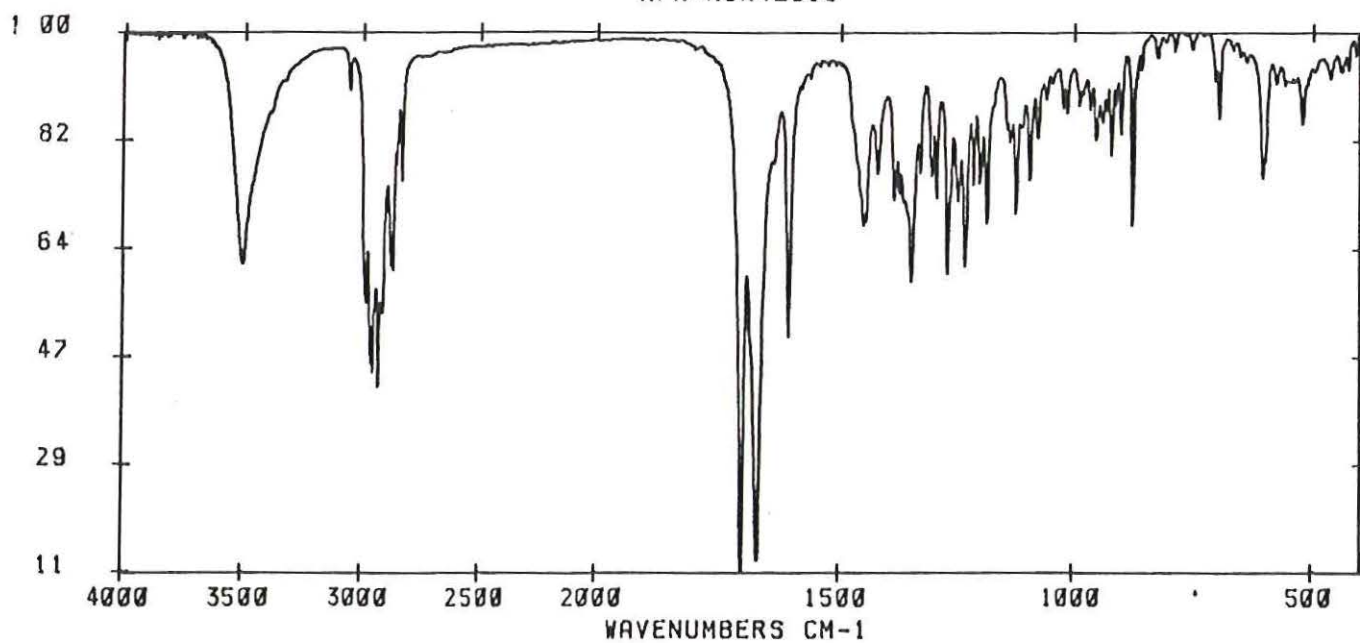
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	459.033	3.65	17
2	515.930	7.58	14
3	568.970	4.7	17
4	596.936	12.67	15
5	687.585	7.7	6
6	744.482	1.32	8
7	780.164	1.48	5
8	816.809	2.0	8
9	870.813	17.73	6
10	894.922	8.51	8
11	906.494	5.93	11
12	916.138	10.53	6
13	935.425	7.44	31
14	948.926	9.7	14
15	960.498	6.35	11
16	983.643	6.1	26
17	1009.680	6.65	11
18	1019.324	6.21	10
19	1055.969	5.32	17
20	1074.292	8.88	11
21	1092.615	12.86	11
22	1122.510	16.38	11
23	1136.011	9.22	29
24	1186.157	17.44	13
25	1201.587	13.22	14
26	1215.088	13.45	9
27	1233.411	22.53	12
28	1247.876	15.13	17
29	1271.021	23.47	11
30	1294.165	14.75	8
31	1303.809	12.59	14
32	1329.846	12.24	11
33	1349.133	24.45	15
34	1374.207	14.25	11
35	1384.814	14.93	12
36	1419.531	12.35	14
37	1448.462	17.71	33
38	1602.759	32.16	10
39	1663.513	93.2	14
40	1696.301	100.0	9
41	2825.562	12.87	11
42	2862.207	22.84	34
43	2904.639	28.48	18
44	2923.926	40.41	13
45	2947.070	37.77	17
46	2956.714	36.36	21
47	2976.965	27.24	27
48	3045.435	4.54	12
49	3494.824	22.16	93

FLS=HOR42018



AFA=HOR42018



COMPOUND NAME: MEDROXYPROGESTERONE-ACETATE
 SYSTEMATIC NAME: 17 ALPHA-ACETOXY-6 ALPHA-METHYLPROGESTERONE
 CA NAME: PREGN-4-ENE-3,20-DIONE,17(ACETYLOXY)-6-METHYL-6ALPHA
 CAS NUMBER: 71-58-9
 MERCK INDEX NO (10 ED): 5614
 STERALIDS NUMBER: Q 3021
 MOLECULAR FORMULE: C24H34O4
 MOLECULAR WEIGHT: 386.5
 MELTING POINT: 207-209
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: CURRETAB, DEFORONE, FARLUTAL, GESTAPURAN, LUTORAL, NIDAXIN
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: H-1629
 CHARGE NUMBER: 102F-0287
 FILS: HOR42019

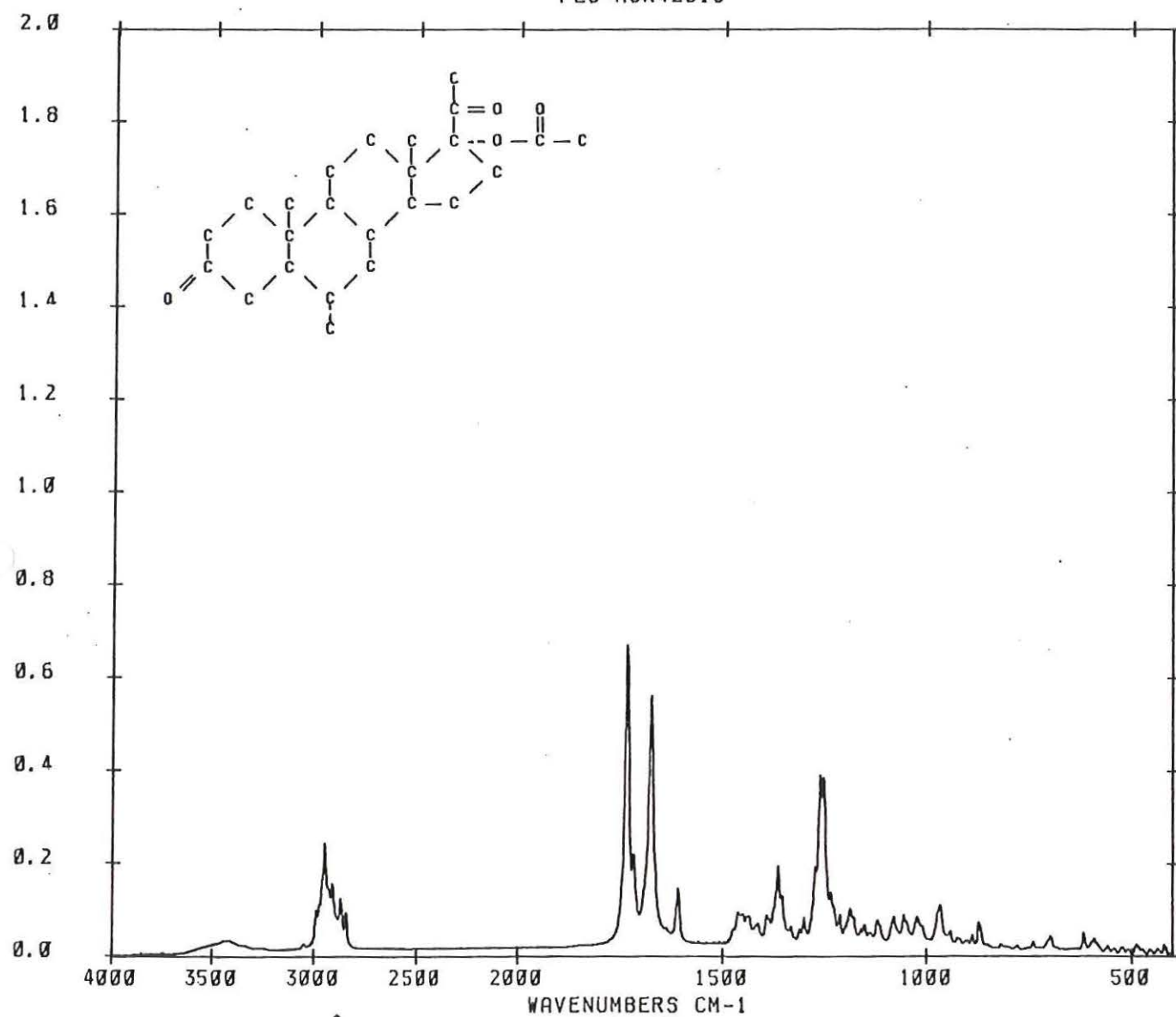
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42 PEAKS.

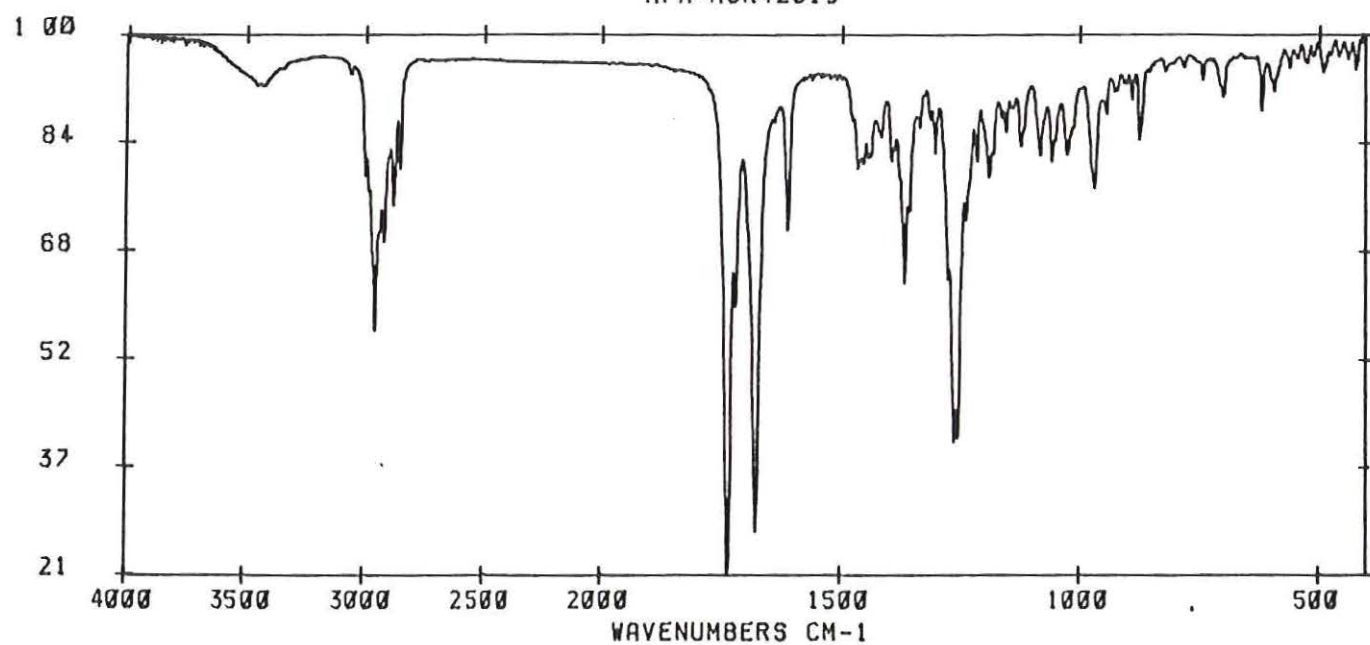
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	418.530	3.45	8
2	486.035	3.70	14
3	520.752	2.76	33
4	557.397	3.19	32
5	590.186	3.52	21
6	615.259	7.56	9
7	698.193	6.14	20
8	738.696	4.45	10
9	817.773	3.56	89
10	871.777	10.79	13
11	887.207	6.52	12
12	922.888	5.68	30
13	940.247	7.96	11
14	965.320	16.36	19
15	1022.217	12.43	36
16	1055.969	13.24	21
17	1080.078	12.58	17
18	1120.581	11.49	19
19	1151.440	9.89	15
20	1187.122	15.11	26
21	1211.230	13.18	14
22	1234.375	20.41	28
23	1252.698	57.26	13
24	1261.377	58.27	12
25	1272.949	28.62	12
26	1299.951	12.24	11
27	1331.775	9.35	12
28	1364.563	29.0	21
29	1392.529	13.19	10
30	1412.781	10.41	16
31	1440.747	12.79	45
32	1461.963	14.7	17
33	1607.581	21.72	12
34	1673.157	83.34	14
35	1716.553	32.55	17
36	1731.982	100.0	12
37	2842.920	14.2	11
38	2869.922	18.47	21
39	2910.425	23.20	23
40	2948.035	36.46	26
41	2987.573	14.93	17
42	3416.711	5.13	228

FLS=HOR42019



AFA=HOR42019



COMPOUND NAME: MEGESTROL ACETATE
 SYSTEMATIC NAME: 17-HYDROXY-6-METHYLPREGNA-4,6-DIENE-3,20-DIONE ACETATE
 CA NAME: PREGNA-4,6-DIENE-3,20-DIONE,17-(ACETYLOXY)-6-METHYL
 CAS NUMBER: 595-33-5
 MERCK INDEX NO (10 ED): 5623
 MOLECULAR FORMULE: C24H32O4
 MOLECULAR WEIGHT: 384.5
 MELTING POINT: 214-216
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: MEGACE, MEGESTAT, NIAGESTIN, OVABAN
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: N-0513
 CHARGE NUMBER: 21F-0136
 FLS: HOR42030

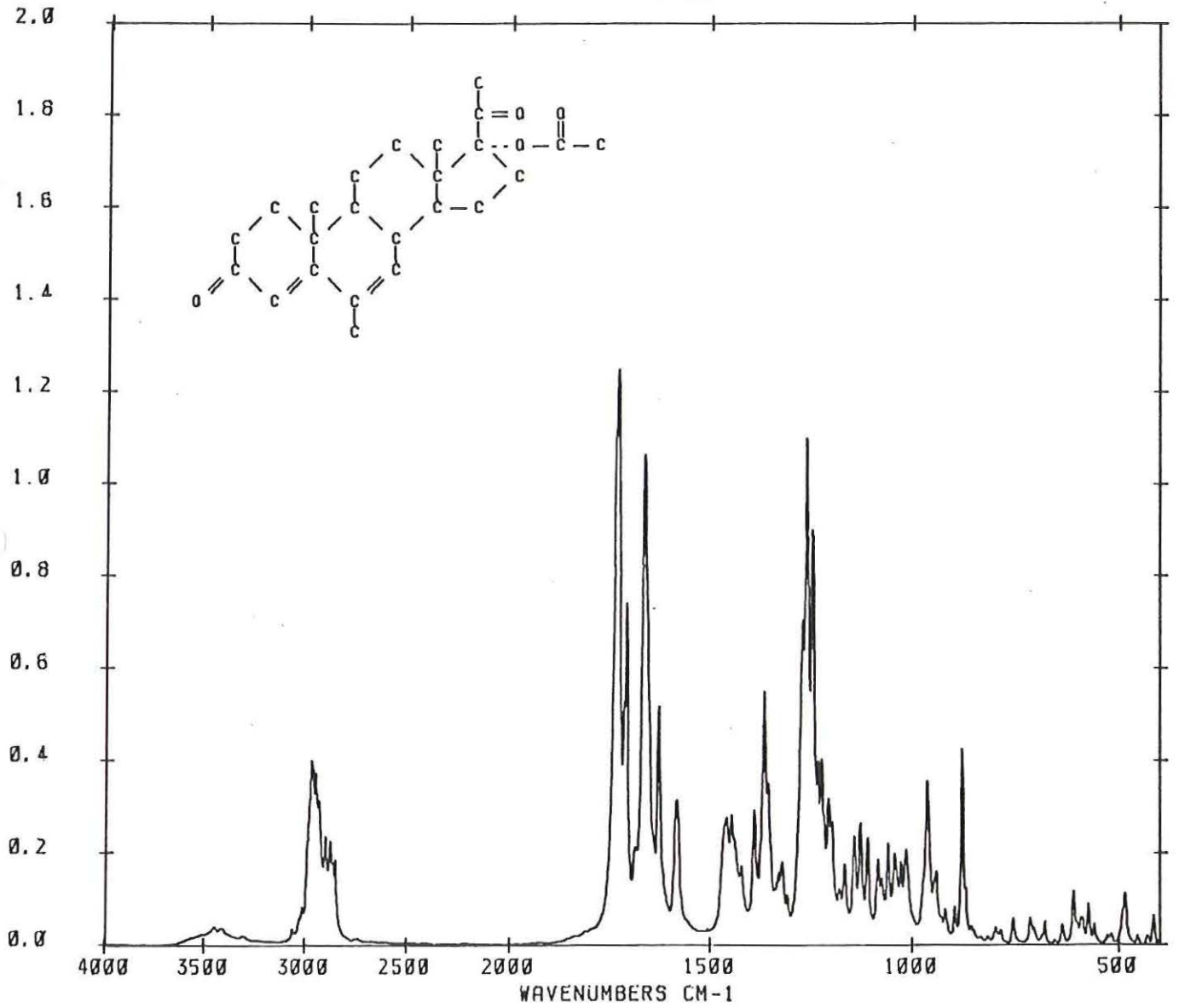
PEAK TABLE FILE : HOR42030

PEAKS.

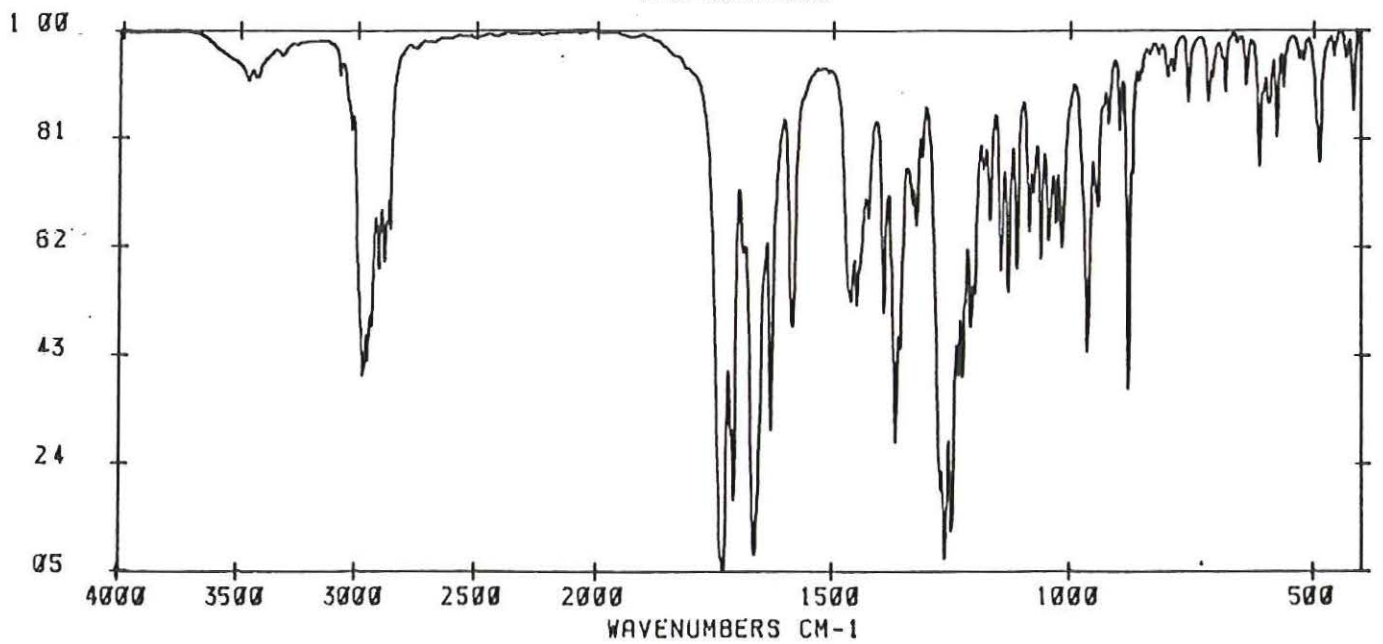
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	414.673	5.20	6
2	453.247	1.56	7
3	484.106	9.2	13
4	516.895	1.80	18
5	558.362	3.59	6
6	572.827	7.8	8
7	589.221	4.70	14
8	608.508	9.32	7
9	635.510	3.43	8
10	676.978	3.92	6
11	713.623	4.56	15
12	756.055	4.54	7
13	797.522	2.89	22
14	877.563	34.11	7
15	895.886	6.64	9
16	919.031	6.12	11
17	941.211	12.70	11
18	963.391	28.43	14
19	1014.502	16.44	18
20	1027.039	14.27	10
21	1042.468	15.76	15
22	1058.862	17.59	10
23	1074.292	11.50	14
24	1082.971	14.89	10
25	1109.009	18.58	10
26	1127.332	21.3	11
27	1142.761	18.84	12
28	1166.870	13.95	12
29	1179.407	9.59	18
30	1206.409	25.24	31
31	1223.767	32.16	10
32	1232.446	31.95	14
33	1246.912	72.7	11
34	1260.413	88.4	13
35	1269.092	56.45	17
36	1306.702	8.64	11
37	1319.238	14.33	14
38	1327.917	12.54	12
39	1365.527	44.12	19
40	1389.636	23.53	11
41	1422.424	13.72	14
42	1447.498	22.68	34
43	1460.034	22.22	29
44	1584.436	25.19	15
45	1628.796	41.38	10
46	1664.478	85.27	19
47	1709.802	59.43	9
48	1731.018	100.0	16
49	2846.777	14.73	12
50	2871.851	17.87	29
51	2894.995	18.69	24
52	2946.106	29.93	76
53	2965.393	32.4	44
54	3447.571	3.16	170

FLS=HOR42030



AFA=HOR42030



COMPOUND NAME: MELENGESTROL ACETATE
 SYSTEMATIC NAME: 17 ALPHA-ACETOXY-6-METHYL-16-METHYLENE 4,6-PREGNADIENE-
 CA NAME: PREGNA-4,6-DIENE-3,20-DIONE,17-(ACETOXY)-6-
 : METHYL-16-METHYLENE- 3,20-DIONE
 CAS NUMBER: 2919-66-6
 MERCK INDEX NO (10 ED): 5636
 MOLECULAR FORMULE: C25H32O4
 MOLECULAR WEIGHT: 396
 MELTING POINT: 224-226
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 10 MG KBR
 MANUFACTURER: UPJOHN
 MANUFACTURER REFERENCE: 245112
 CHARGE NUMBER: 3320W (ETHER EXTRACTED)
 FLS: HOR42103

PEAK TABLE FILE : HOR42103

54 PEAKS.

SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CH-1
1	550.647	13.83	10
2	570.898	8.51	6
3	584.399	4.11	6
4	612.366	14.0	11
5	626.831	15.23	7
6	668.298	7.51	6
7	687.585	2.15	10
8	710.730	5.41	5
9	749.304	8.60	8
10	784.021	3.35	7
11	795.593	6.5	5
12	857.312	6.5	7
13	881.421	48.38	5
14	893.958	13.73	10
15	929.639	25.18	10
16	952.783	20.92	9
17	972.070	27.40	19
18	1001.965	15.62	21
19	1026.074	38.51	24
20	1036.682	49.53	15
21	1070.435	12.20	16
22	1106.116	8.78	10
23	1122.510	16.82	10
24	1139.868	11.77	12
25	1158.191	9.25	11
26	1168.799	6.69	12
27	1205.444	34.35	18
28	1230.518	63.98	13
29	1244.983	100.0	15
30	1260.413	88.6	12
31	1271.021	60.9	19
32	1284.521	30.80	12
33	1318.274	23.14	13
34	1327.917	15.68	10
35	1354.919	35.24	22
36	1372.278	50.13	14
37	1388.672	34.1	10
38	1415.674	27.16	11
39	1443.640	30.49	39
40	1463.892	26.62	14
41	1552.612	4.80	21
42	1578.650	42.96	12
43	1624.939	46.99	9
44	1666.406	97.21	19
45	1715.588	89.35	12
46	1737.769	97.55	19
47	2336.633	5.16	31
48	2361.707	6.68	21
49	2858.350	26.88	28
50	2945.142	60.44	25
51	2964.429	36.58	49
52	2986.609	29.81	17
53	3049.292	6.61	50
54	3635.620	1.98	113

COMPOUND NAME: DIENESTROL
 SYSTEMATIC NAME: 4,4'-(1,2-DIETHYLIDENE-1,2-ETHANEDIYL)BISPHENOL
 CA NAME: PHENOL,4,4'-(1,2-DIETHYLIDENE-1,2-ETHANEDIYL)BIS
 CAS NUMBER: 84-17-3
 MERCK INDEX NO (10 ED): 3085
 STERALDIDS NUMBER: D 300
 MOLECULAR FORMULE: C18H18O2
 MOLECULAR WEIGHT: 266.3
 MELTING POINT: 227-228
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: DIENOL, DINOX, RESTROL
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: D-3253
 CHARGE NUMBER: 37C-0369
 FLS: HOR42003

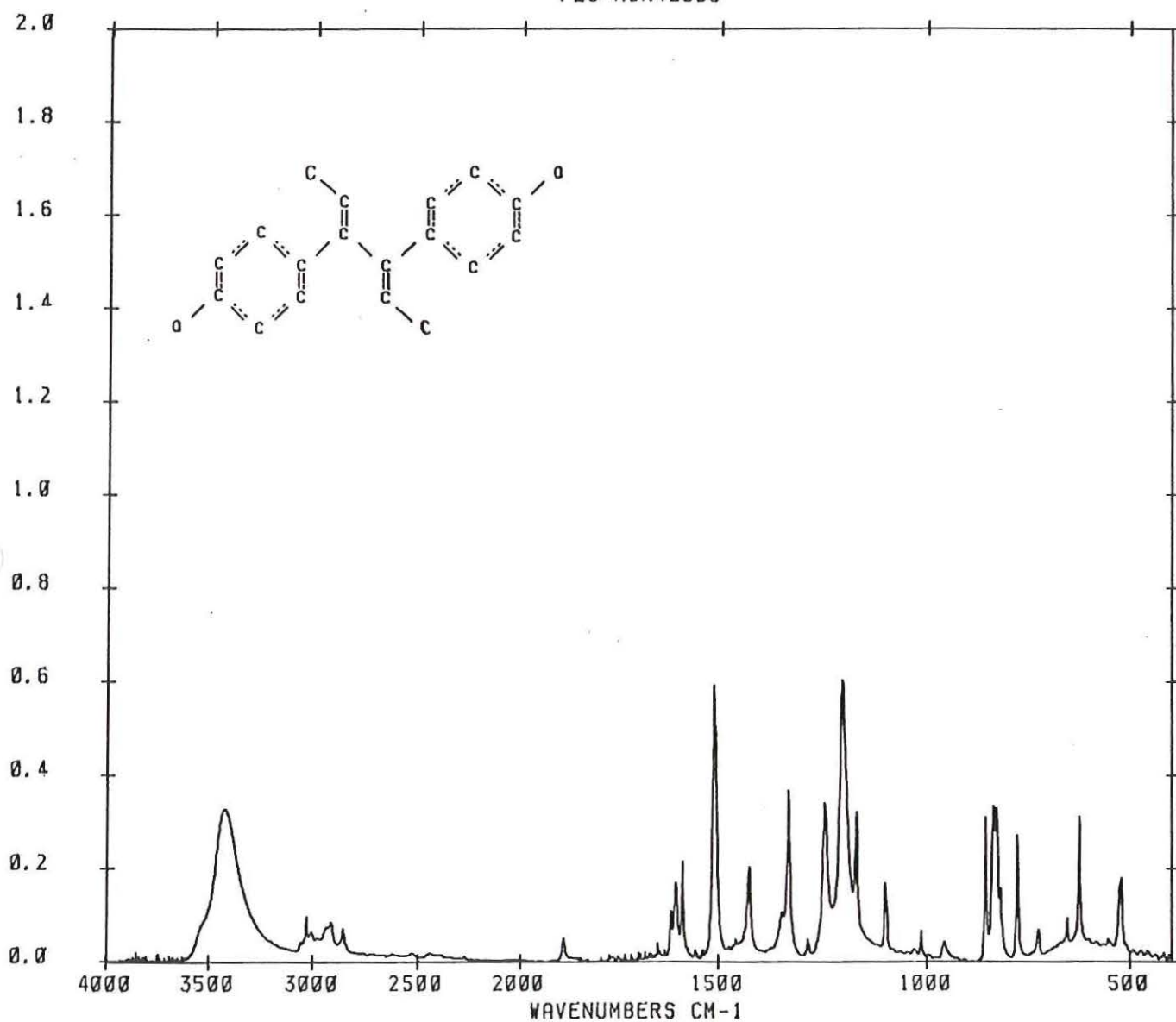
PEAK TABLE FILE : HOR42003

53 PEAKS.

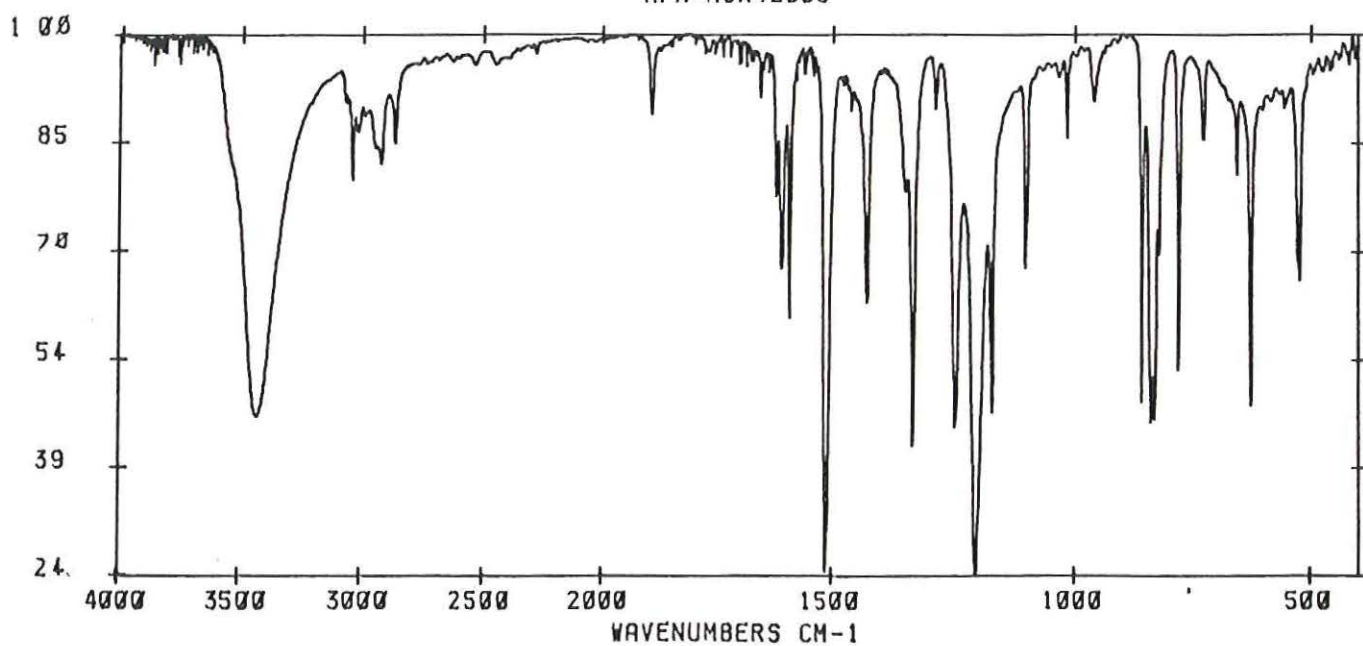
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	419.495	3.10	2
2	519.788	29.91	11
3	549.683	7.78	17
4	620.081	52.8	5
5	649.011	15.51	8
6	720.374	11.36	11
7	775.342	45.16	5
8	816.809	26.15	10
9	826.453	54.95	12
10	834.167	55.55	10
11	853.455	51.37	5
12	955.676	7.3	15
13	1014.502	11.2	3
14	1030.896	4.38	19
15	1102.258	28.2	7
16	1170.728	53.40	8
17	1205.444	100.0	19
18	1246.912	56.72	14
19	1286.450	7.83	10
20	1332.739	60.79	9
21	1348.169	17.66	17
22	1426.282	33.60	10
23	1457.141	7.95	8
24	1509.216	83.99	8
25	1513.074	98.31	8
26	1539.111	4.21	6
27	1558.398	3.99	9
28	1591.187	35.88	6
29	1607.581	28.26	11
30	1619.153	18.43	6
31	1635.547	3.85	4
32	1652.905	6.58	3
33	1684.729	3.35	2
34	1696.301	2.96	2
35	1700.159	3.6	2
36	1717.517	2.27	2
37	1733.911	2.30	3
38	1751.270	1.95	6
39	1772.485	2.1	19
40	1889.172	8.43	9
41	2442.712	3.9	342
42	2855.457	11.74	24
43	2912.354	14.19	72
44	3004.932	10.51	57
45	3030.005	16.21	11
46	3424.426	54.58	134
47	3676.123	1.75	9
48	3688.660	1.91	2
49	3744.592	2.97	2
50	3752.307	2.16	7
51	3801.489	1.87	2
52	3838.135	1.98	26
53	3854.529	3.12	4

FLS=HOR42003



AFA=HOR42003



COMPOUND NAME: DIETHYLSTILBESTROL
 SYSTEMATIC NAME: (E)-4,4'-(1,2-DIETHYL-1,2-ETHENDIYL)BISPHENOL
 CA NAME: PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENDIYL)BIS-(E)
 CAS NUMBER: 56-53-1
 MERCK INDEX NO (10 ED): 3115
 STERALIDS NUMBER: D 400
 MOLECULAR FORMULE: C₁₈H₂₀O₂
 MOLECULAR WEIGHT: 268.3
 MELTING POINT: 169-172
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: DES, BUFON, DISTILBENE, SERRAL
 MANUFACTURER: INTERPHARM
 MANUFACTURER REFERENCE: P-4186
 CHARGE NUMBER: PH EUR 738359
 FLS: HOR42001

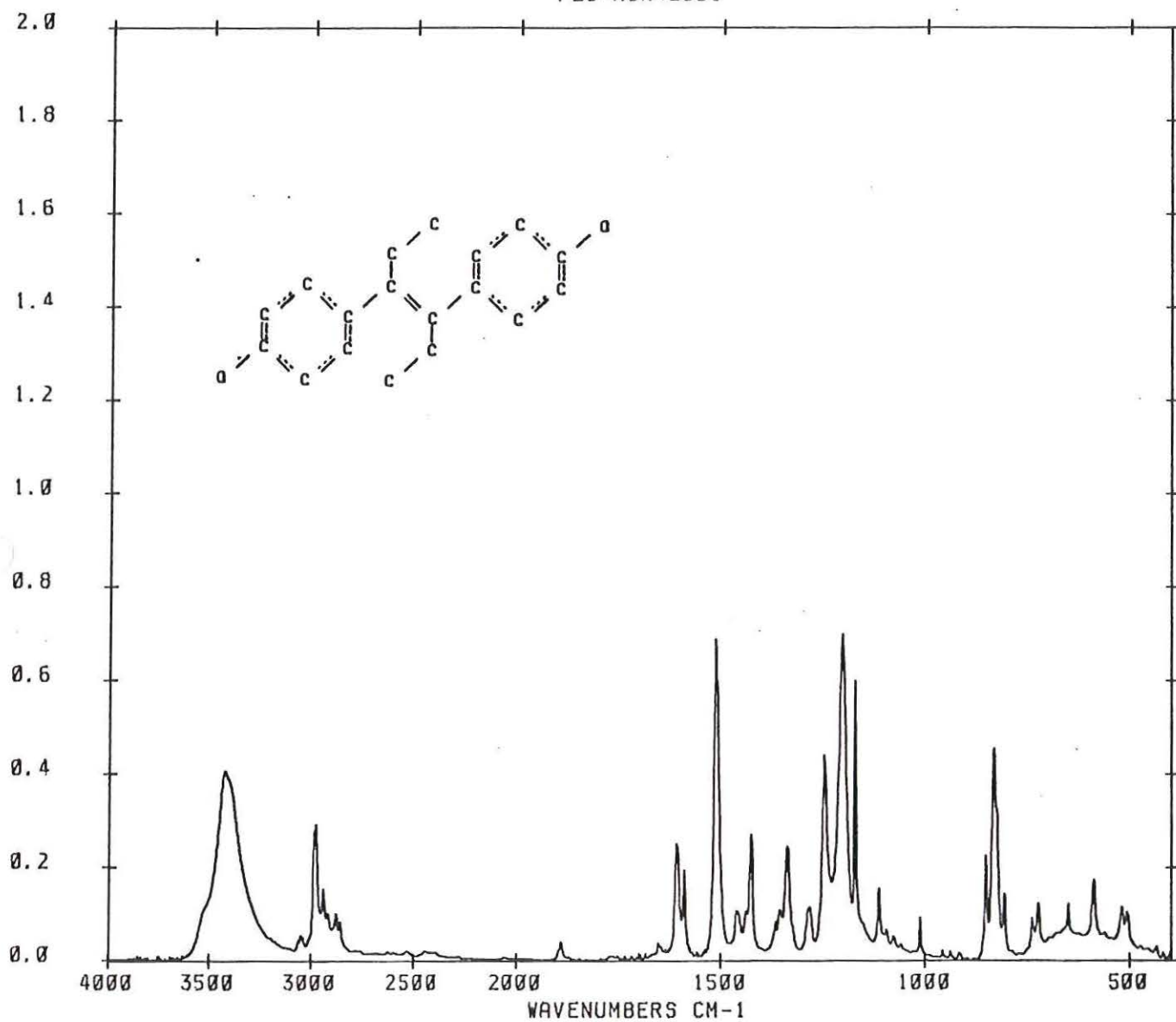
PEAK TABLE FILE : HOR42001

42 PEAKS.

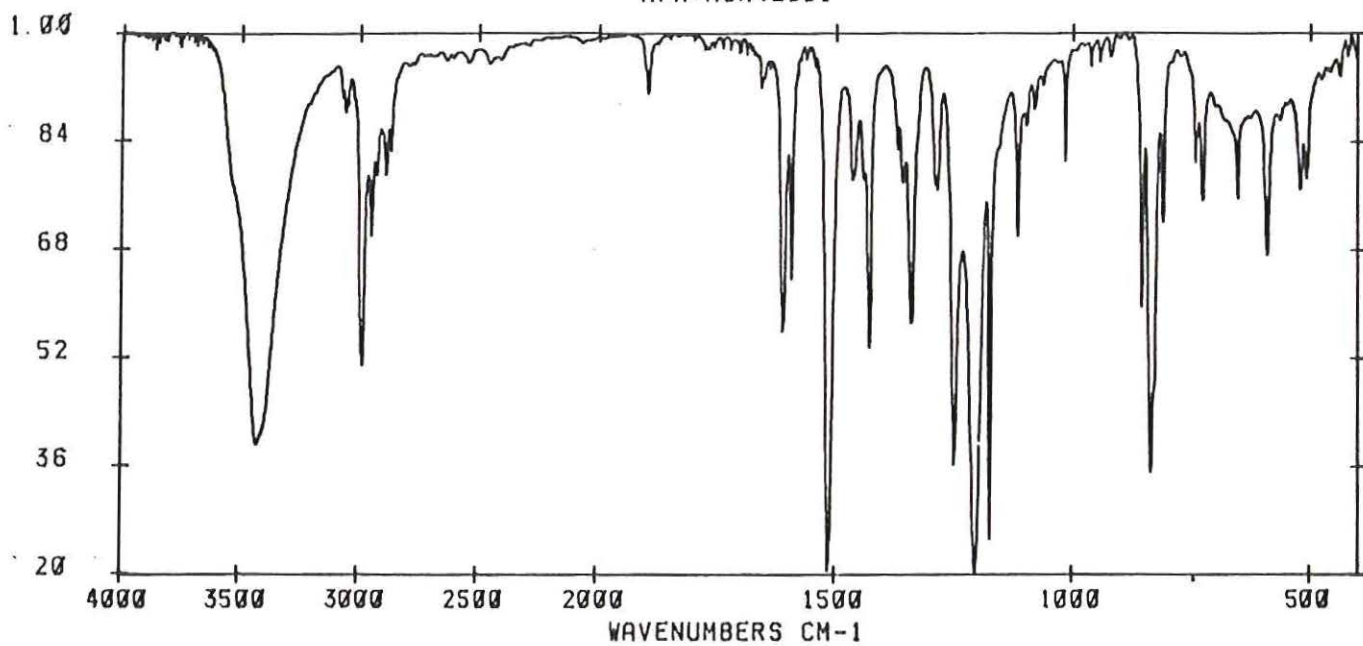
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	433.960	4.15	17
2	505.322	15.0	15
3	517.859	16.22	16
4	586.328	24.72	11
5	646.118	17.36	8
6	721.338	17.60	10
7	736.768	13.14	6
8	805.237	20.34	6
9	831.274	65.7	16
10	850.562	32.21	7
11	916.138	2.24	9
12	939.282	2.71	6
13	957.605	3.12	5
14	1011.609	13.5	4
15	1077.185	7.32	50
16	1094.543	9.10	11
17	1113.831	22.12	8
18	1172.656	85.91	5
19	1203.516	100.0	21
20	1246.912	63.10	13
21	1281.628	16.28	18
22	1336.597	34.84	14
23	1354.919	15.55	15
24	1366.492	11.84	12
25	1427.246	38.75	9
26	1461.963	15.15	19
27	1514.038	98.58	13
28	1590.222	27.90	7
29	1608.545	35.98	12
30	1652.905	5.26	6
31	1700.159	1.90	9
32	1772.485	1.54	53
33	1890.137	5.81	10
34	2440.784	2.92	143
35	2855.457	11.85	26
36	2874.744	14.45	25
37	2915.247	14.58	34
38	2937.427	22.0	20
39	2976.001	41.93	24
40	3047.363	7.67	45
41	3424.426	58.18	133
42	3854.529	1.52	17

FLS=HOR42001



AFA=HOR42001



COMPOUND NAME: HEXESTROL
 SYSTEMATIC NAME: 4,4'-(1,2-DIETHYL-1,2-ETHANEDIYL)BISPHENOL
 CA NAME: PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHANEDIYL)BIS-(R.S)
 CAS NUMBER: 84-16-2
 MERCK INDEX NO (10 ED): 4593
 STERALIDS NUMBER: -
 MOLECULAR FORMULE: C18H22O2
 MOLECULAR WEIGHT: 270.4
 MELTING POINT: 185-188
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG/ 100 MG KBR
 COMMERCIAL NAME: CYCLOESTROL, SYNTHOVO
 MANUFACTURER: INC
 MANUFACTURER REFERENCE: 15529
 CHARGE NUMBER: 39959-A
 FLS: HOR42002

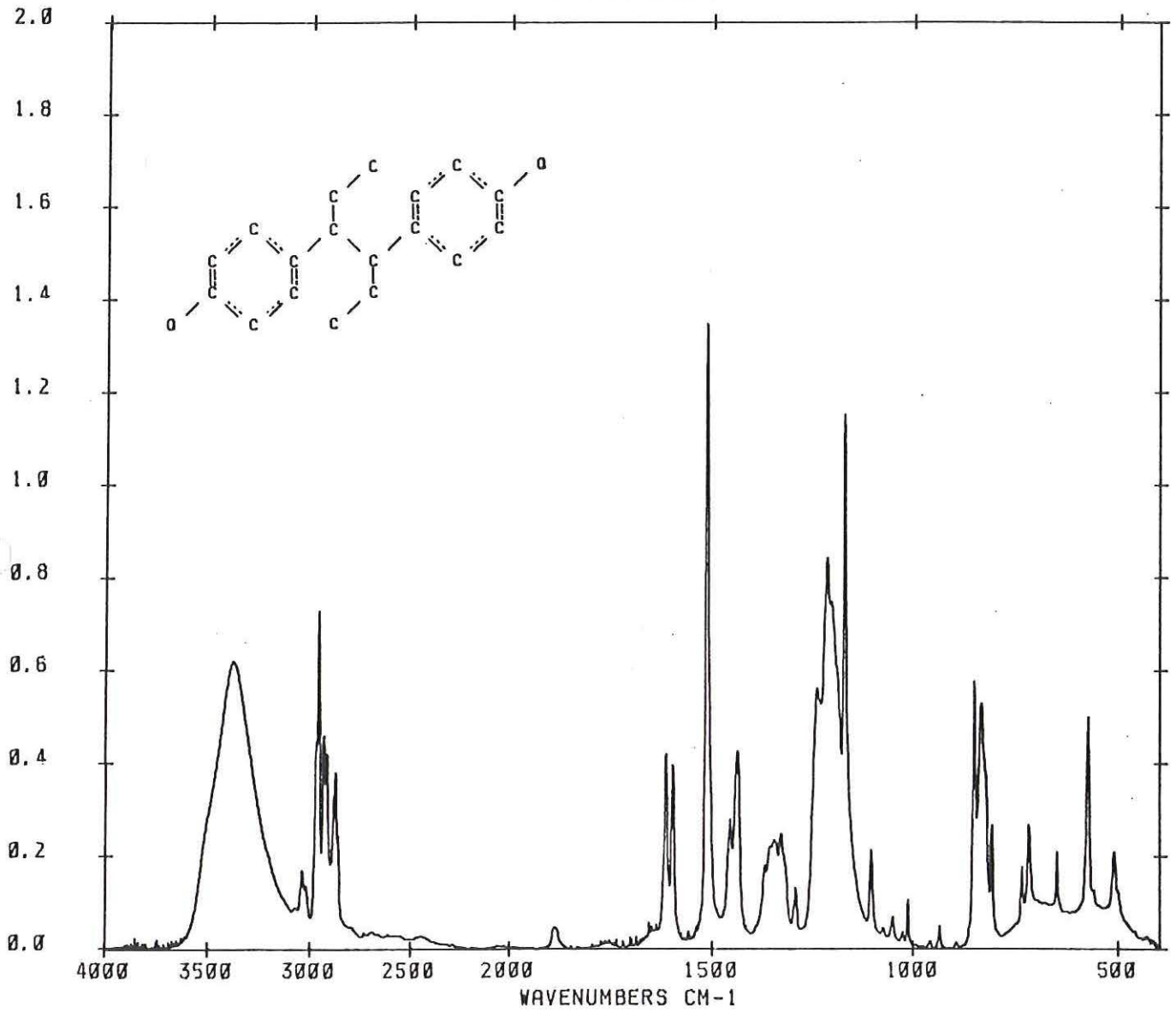
PEAK TABLE FILE : HOR42002

38 PEAKS.

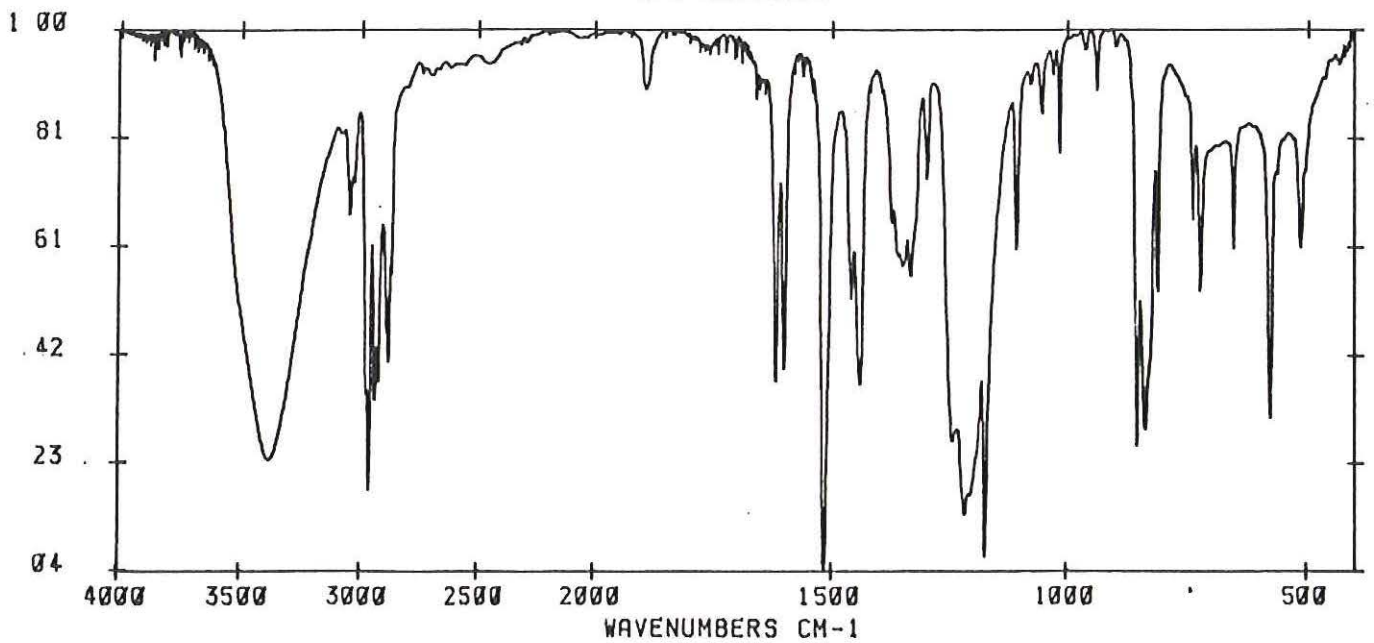
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	510.144	15.43	14
2	573.792	37.8	10
3	646.118	15.62	6
4	715.552	19.77	10
5	731.946	13.8	7
6	804.272	19.80	6
7	830.310	39.20	25
8	846.704	42.74	7
9	932.532	3.57	6
10	1012.573	7.84	4
11	1026.074	2.60	11
12	1052.112	5.9	11
13	1107.080	15.72	10
14	1173.621	85.43	9
15	1217.981	62.51	52
16	1244.983	41.65	27
17	1298.987	9.77	11
18	1334.668	18.35	33
19	1351.062	17.34	62
20	1439.783	31.71	18
21	1458.105	20.70	17
22	1515.967	100.0	9
23	1559.363	2.71	8
24	1597.937	29.36	8
25	1613.367	31.24	9
26	1652.905	4.24	8
27	1684.729	1.92	3
28	1700.159	1.72	7
29	1733.911	1.41	3
30	1887.244	3.51	17
31	2872.815	28.23	37
32	2917.175	31.14	20
33	2932.605	34.10	17
34	2956.714	54.5	21
35	3039.648	12.62	46
36	3378.137	46.10	227
37	3744.592	1.53	2
38	3854.529	1.69	54

FLS=HOR42002



AFA=HOR42002



COMPOUND NAME: DIENESTROL-DIACETATE
 SYSTEMATIC NAME: 4,4'-(1,2-DIETHYLDIENE-1,2-ETHANEDIYL)BISACETATE
 CA NAME: 4,4'-(1,2-DIETHYLIDENE-1,2-ETHANEDIYL)BIS-DIACETATE
 CAS NUMBER: 84-19-5
 MERCK INDEX NO (10 ED): 3085
 MOLECULAR FORMULE: C22H22O4
 MOLECULAR WEIGHT: 350.4
 MELTING POINT: 119-120
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: FARMACYROL, LIPAMONE, RETALON
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: D 3378
 CHARGE NUMBER: 96B-0400
 FLS: HOR42005

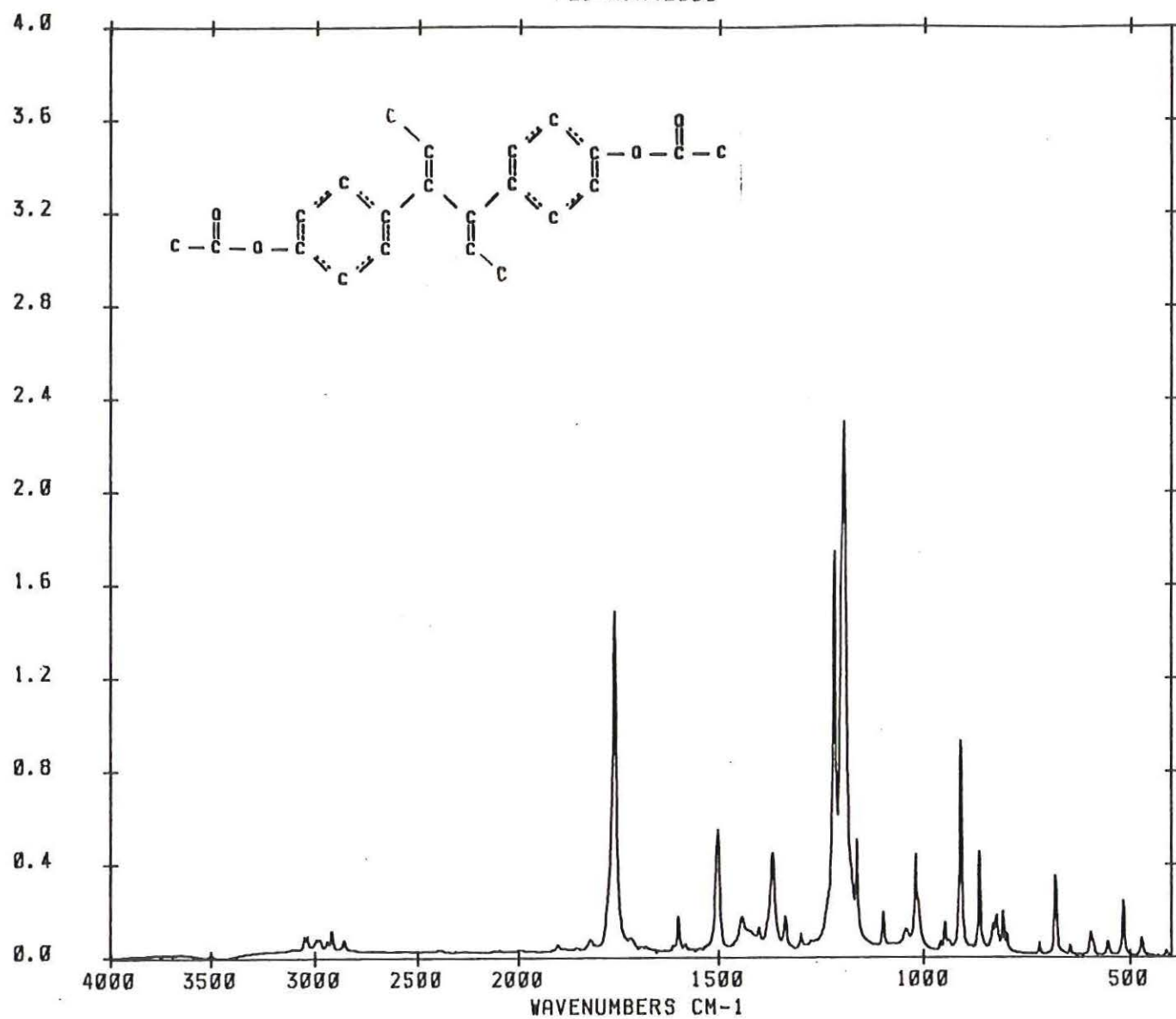
PEAK TABLE FILE : HOR42005

32 PEAKS.

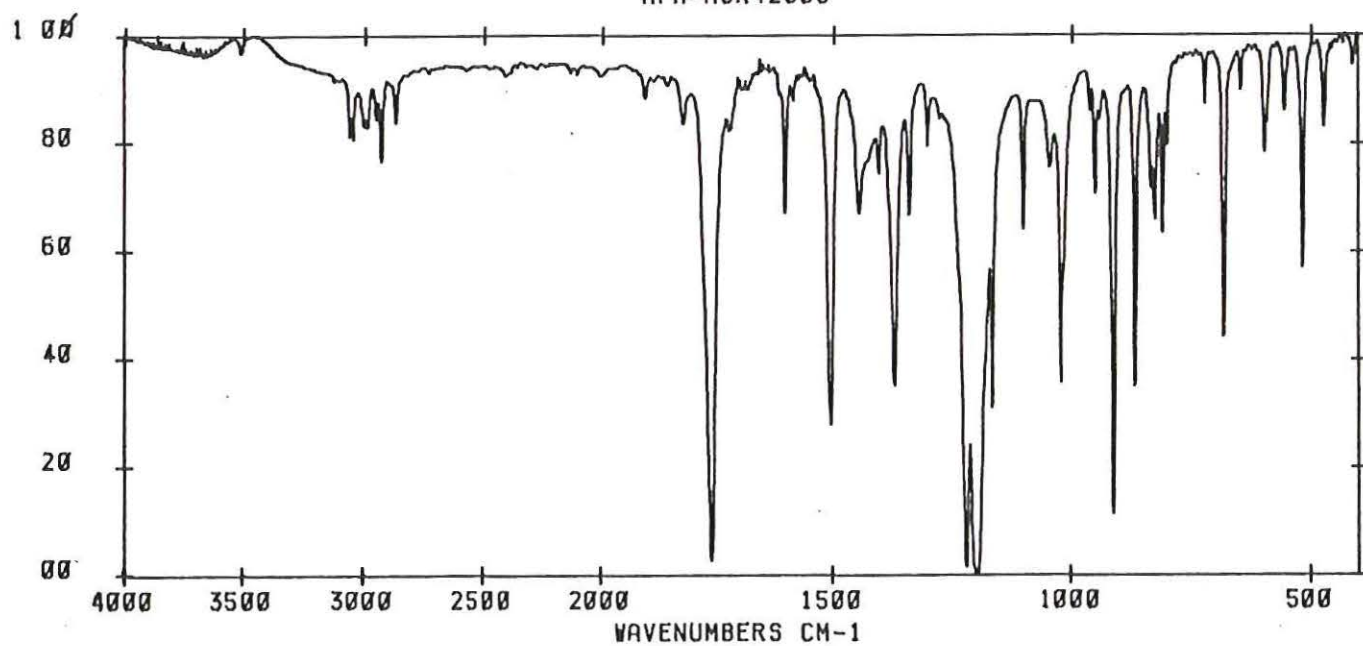
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	471.570	3.50	6
2	515.930	10.57	6
3	553.540	2.81	8
4	594.043	4.55	11
5	643.225	2.1	7
6	678.906	15.30	6
7	716.516	2.55	6
8	798.486	4.26	9
9	807.166	8.55	6
10	822.595	7.77	17
11	865.027	19.70	5
12	910.352	40.47	6
13	947.961	6.51	6
14	1019.324	19.29	8
15	1043.433	5.25	21
16	1099.365	8.32	7
17	1163.977	21.89	6
18	1195.801	100.0	16
19	1217.981	75.93	9
20	1299.951	4.33	7
21	1337.561	7.61	10
22	1368.420	19.56	14
23	1402.173	5.54	9
24	1443.640	7.49	21
25	1503.430	23.88	11
26	1599.866	7.48	6
27	1757.056	64.60	10
28	1817.810	3.36	25
29	2859.314	3.36	21
30	2919.104	4.97	14
31	2976.963	3.54	61
32	3036.755	4.3	46

FLS=HOR42005



AFA=HOR42005



COMPOUND NAME: DIETHYLSTILBESTROL DIPROPIONATE
 SYSTEMATIC NAME: ALPHA,ALPHA' DIETHYL 4,4'-STILBENEDIOL DIPROPIONYL ESTER
 CA NAME: PHENOL,4,4'-(1,2 -DIETHYL-1,2 ETHENEDIYL) BIS-,DIPROPIONATE(E)
 CAS NUMBER: 130-80-3
 MERCK INDEX NO (10 ED): 3116
 STERALIDS NUMBER: D-500
 MOLECULAR FORMULE: C24H28O4
 MOLECULAR WEIGHT: 380.5
 MELTING POINT: 104-104.5
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: CLINESTROL, CYREN B, DIBESTIL, ESTILBEN, EUVESTIN, ORESTOL
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: D-3881
 CHARGE NUMBER: 62F-0239
 FLS: HOR42004

PEAK TABLE FILE : HOR42004

33 PEAKS.

SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	513.037	2.74	8
2	533.289	3.27	20
3	586.328	3.86	10
4	668.298	1.48	6
5	813.916	11.50	14
6	824.524	5.52	14
7	838.025	8.53	7
8	855.383	4.78	10
9	894.922	21.90	7
10	943.140	3.48	4
11	1019.324	14.49	5
12	1076.221	16.75	9
13	1095.508	8.53	10
14	1115.759	8.87	14
15	1157.227	100.0	18
16	1210.266	64.34	13
17	1233.411	12.43	12
18	1286.450	4.54	12
19	1362.634	25.22	17
20	1418.567	7.47	12
21	1459.070	12.75	9
22	1504.395	34.48	7
23	1603.723	6.49	8
24	1754.163	53.40	12
25	1762.842	55.80	10
26	1895.923	1.58	13
27	2362.671	1.34	48
28	2855.457	4.43	15
29	2872.815	7.71	14
30	2935.498	13.36	18
31	2963.464	17.8	14
32	2974.072	18.38	17
33	3033.862	2.80	22

COMPOUND NAME: ZERANOL
 SYSTEMATIC NAME: 3,4,5,6,7,8,9,10,11,12-DECAHYDRO-7,14,16-
 TRIHYDROXY-3-METHYL-1H-2-BENZOXACYCLOTETRADECIN-1-ONE
 CA NAME: 1H-2-BENZOXACYCLOTETRADECIN-1-ONE,3,4,5,6,7,8,9,10,12-
 DECAHYDRO-7,14,16-TRIHYDROXY-3-METHYL
 CAS NUMBER: 55331-29-8
 MERCK INDEX NO (10 ED): 9923
 MOLECULAR FORMULA: C18H26O5
 MOLECULAR WEIGHT: 322.41
 MELTING POINT: 146-148 AND 178-180
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: RALGRO,RALABOL,RALONE,ZERANO
 MANUFACTURER:
 MANUFACTURER REFERENCE:
 CHARGE NUMBER:
 FLS: HOR42025

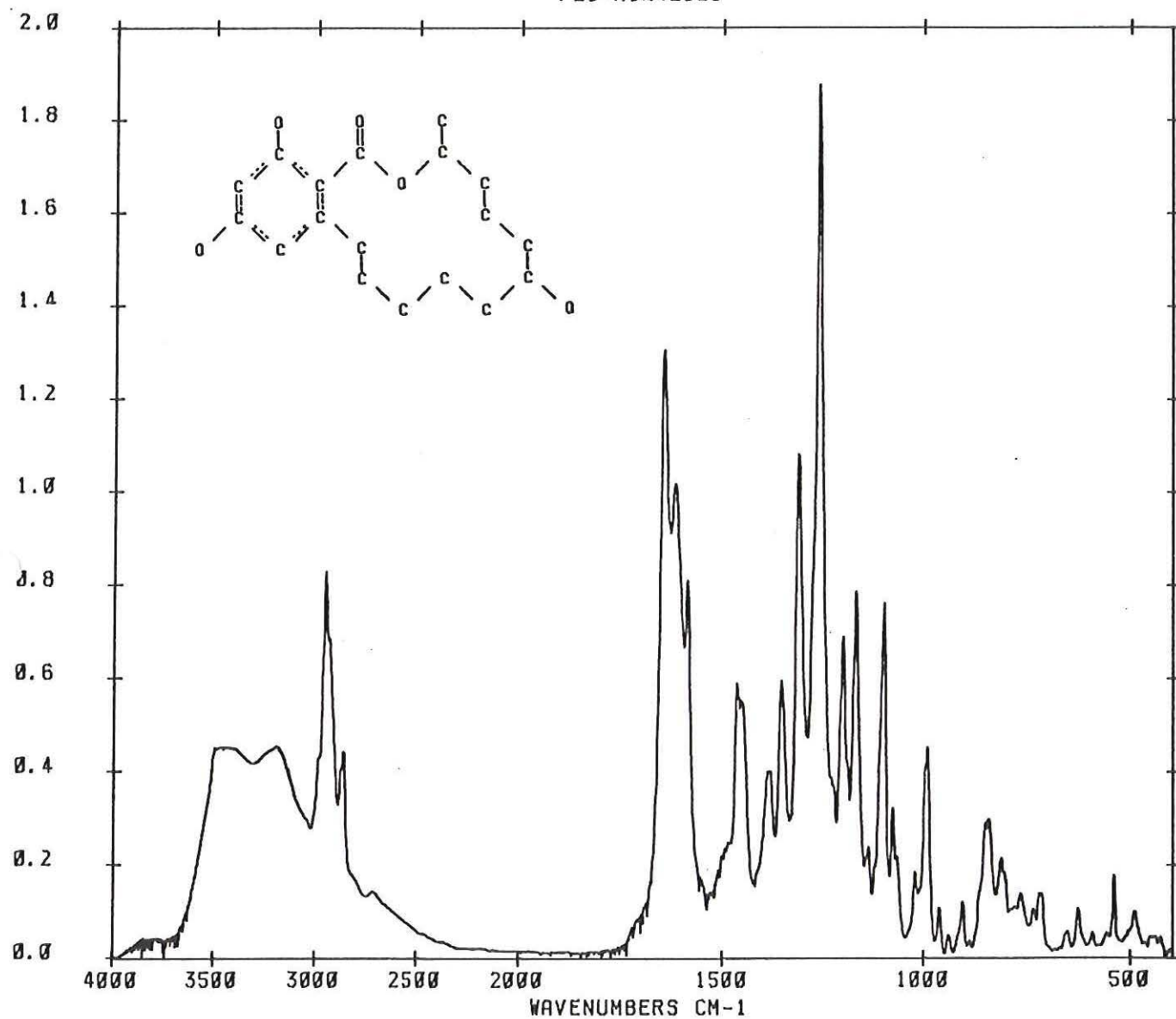
PEAK TABLE FILE : HOR42025

39 PEAKS.

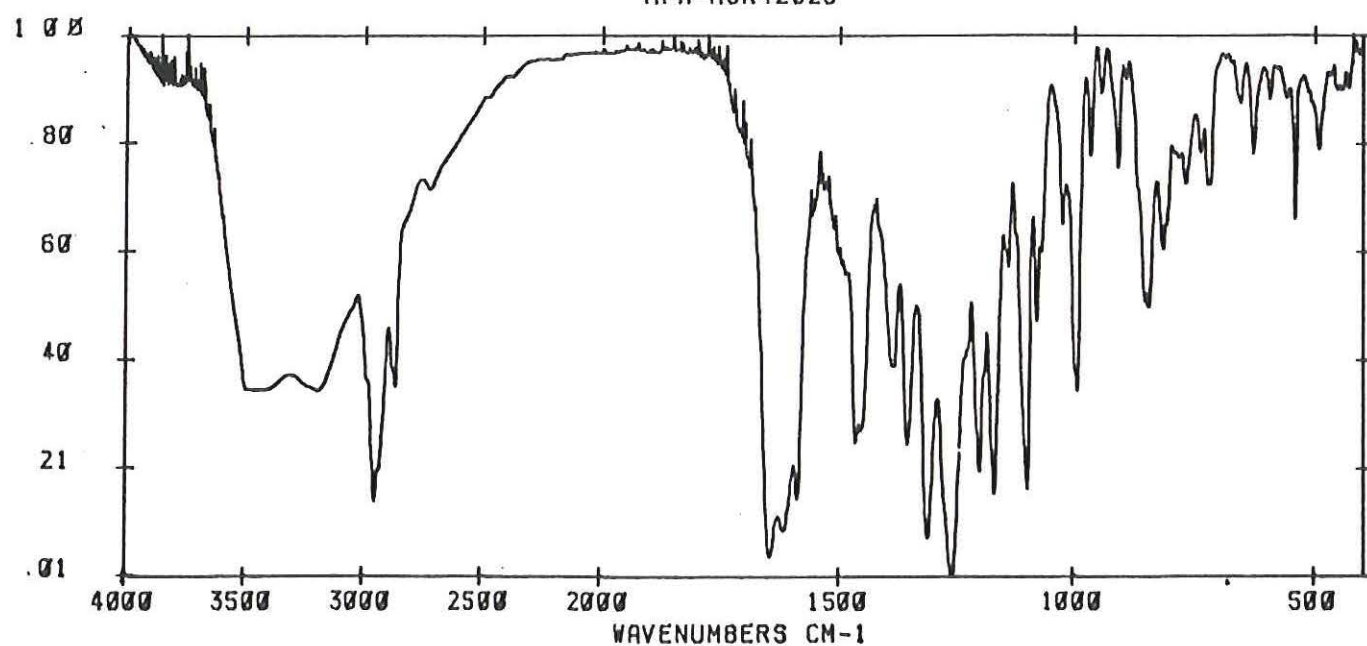
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	488.928	5.35	19
2	537.146	9.43	7
3	588.257	2.85	14
4	622.009	5.60	12
5	648.047	3.7	19
6	718.445	7.33	25
7	732.910	5.52	21
8	764.734	7.26	26
9	811.023	11.42	31
10	839.954	15.91	30
11	903.601	6.38	13
12	938.318	2.57	13
13	960.498	5.71	10
14	989.429	24.6	18
15	1020.288	9.75	12
16	1075.256	17.2	23
17	1096.472	40.59	19
18	1136.975	12.62	14
19	1166.870	41.87	18
20	1199.658	36.80	23
21	1259.448	100.0	19
22	1310.559	57.72	21
23	1352.991	31.73	23
24	1380.957	21.40	39
25	1463.892	31.38	39
26	1556.470	9.19	43
27	1587.329	43.9	18
28	1615.295	54.18	42
29	1644.226	69.57	25
30	1686.658	6.33	24
31	1703.052	4.73	41
32	1720.410	3.51	25
33	1736.804	1.68	5
34	2857.385	23.62	37
35	2945.142	44.17	67
36	3189.124	24.23	319
37	3463.000	24.22	210
38	3847.778	2.26	147
39	3859.351	2.12	21

FLS=HOR42025



AFA=HOR42025



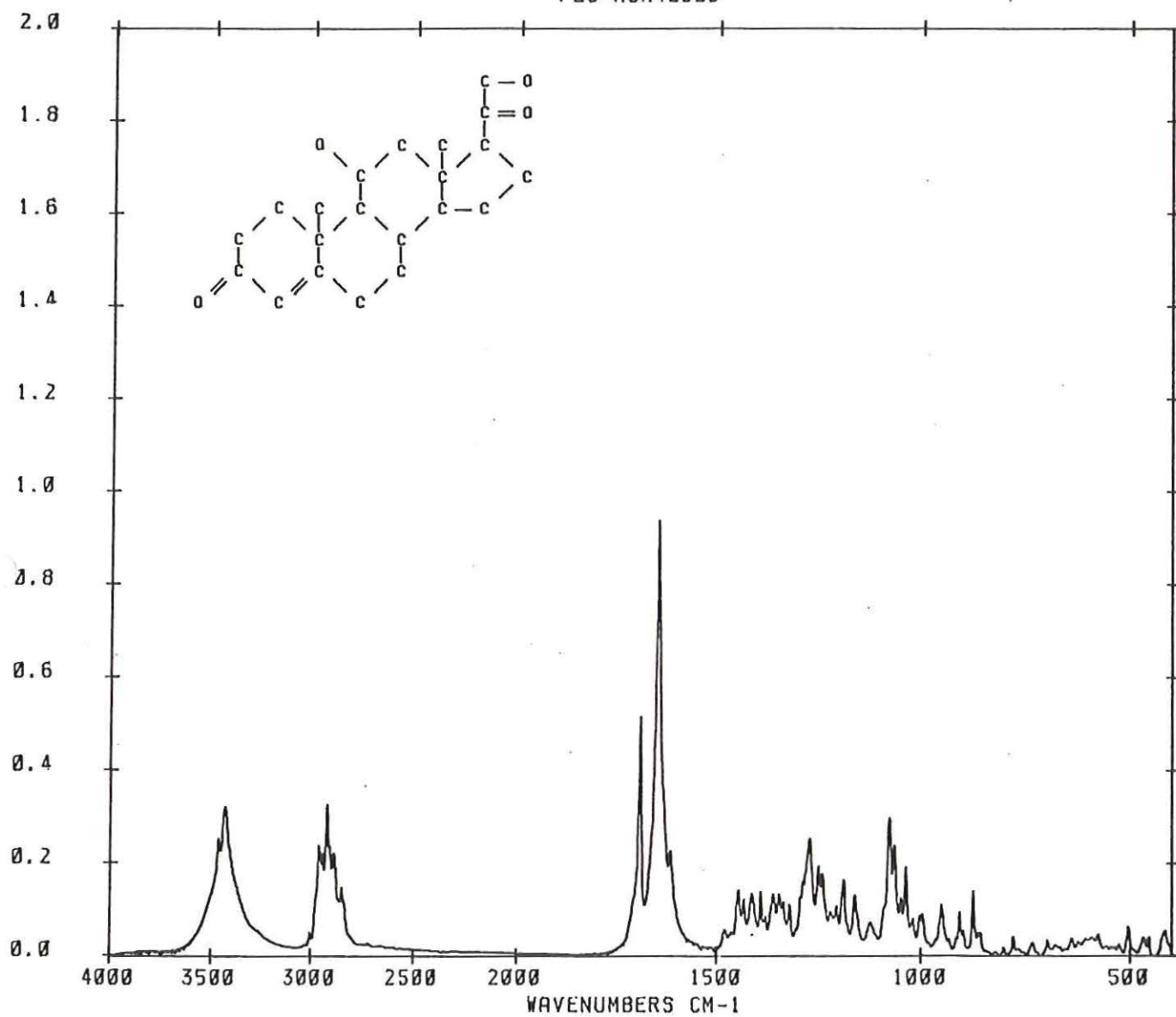
COMPOUND NAME: CORTICOSTERONE
 SYSTEMATIC NAME: 11 BETA,21-DIHYDROXPREGN-4-ENE-3,20-DIONE
 CA NAME: PREGN-4-ENE-3,20-DIONE,11,21 DIHYDROXY-, (11 BETA)
 CAS NUMBER: 50-22-6
 MERCK INDEX NO (10 ED): 2509
 STERALIDS NUMBER: Q 1550
 MOLECULAR FORMULE: C21H30O4
 MOLECULAR WEIGHT: 346.4
 MELTING POINT: 180-182
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: C-2505
 CHARGE NUMBER: 49C-0372
 FLS: HOR42026

PEAK TABLE FILE : HOR42026

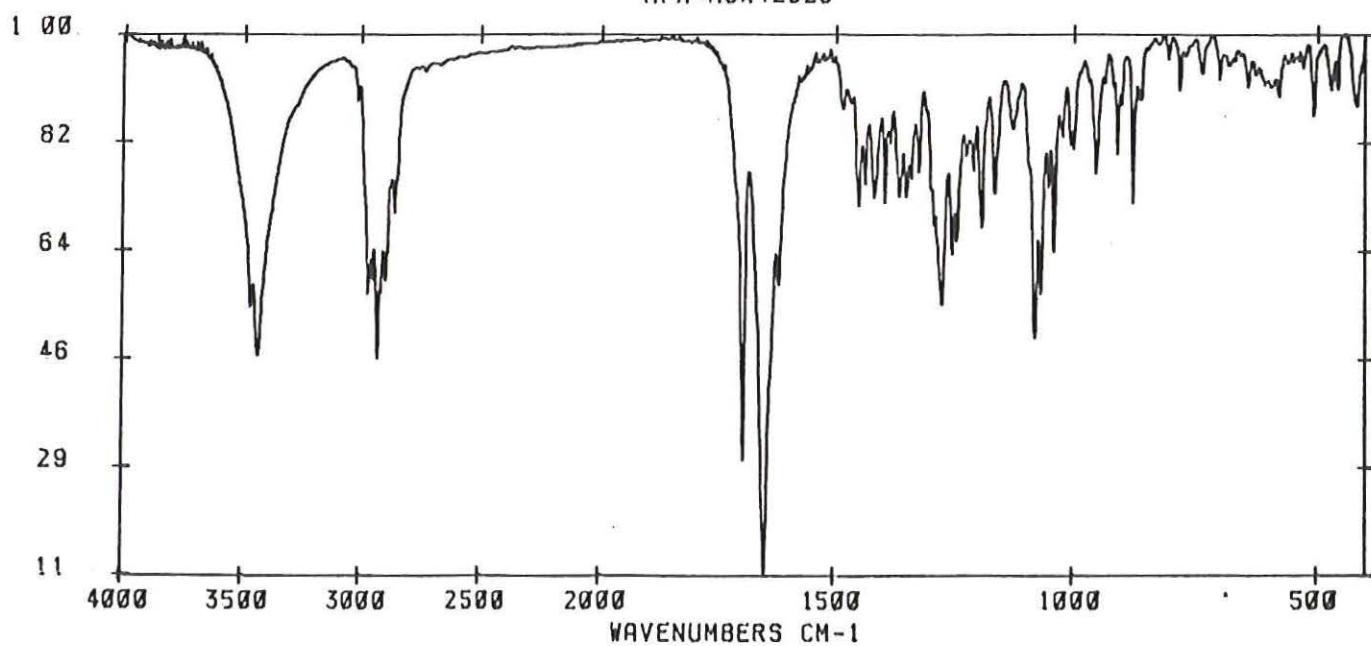
49 PEAKS.
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	416.602	5.75	19
2	455.176	4.22	8
3	467.712	4.34	14
4	504.358	6.57	8
5	573.792	4.90	56
6	636.475	4.2	12
7	696.265	3.47	32
8	732.910	2.95	12
9	779.199	4.29	6
10	802.344	1.91	6
11	857.312	5.16	8
12	874.670	14.91	7
13	907.458	9.93	8
14	950.854	11.81	14
15	996.179	9.48	10
16	1002.930	9.16	10
17	1019.324	8.33	10
18	1036.682	20.29	8
19	1047.290	13.23	11
20	1063.684	25.49	12
21	1075.256	31.78	14
22	1120.581	7.62	26
23	1159.155	13.90	14
24	1186.157	17.51	14
25	1203.516	11.51	13
26	1219.910	10.9	28
27	1239.197	18.98	14
28	1248.840	20.54	12
29	1269.092	26.91	30
30	1318.274	11.66	12
31	1334.668	12.28	12
32	1344.312	14.15	13
33	1359.741	14.13	22
34	1390.601	14.82	8
35	1412.781	14.23	21
36	1433.032	12.93	11
37	1446.533	15.15	14
38	1480.286	5.92	15
39	1618.188	24.10	22
40	1648.083	100.0	14
41	1694.373	55.7	9
42	2847.742	15.79	39
43	2887.280	23.63	44
44	2919.104	34.90	22
45	2939.355	23.63	24
46	2958.643	25.47	27
47	3003.003	5.29	15
48	3428.284	34.37	93
49	3460.107	27.17	85

FLS=HOR42026



AFA=HOR42026



COMPOUND NAME: HYDROCORTISONE
 SYSTEMATIC NAME: 11 BETA,17,21-TRIHIDROXYPREGN-4-ENE-3,20-DIONE
 CA NAME: PREGN-4-ENE-3,20-DIONE,11,17,21-TRIHIDROXY-, (11 BETA)
 CAS NUMBER: 50-23-7
 MERCK INDEX NO (10 ED): 4689
 STERALIDS NUMBER: Q 3880
 MOLECULAR FORMULE: C21H30O5
 MOLECULAR WEIGHT: 362.5
 MELTING POINT: 217-220 AND 212-213
 SAMPLE TECHNIQUE: MACRO-KBR
 SAMPLE QUANTITY: 1 MG / 100 MG KBR
 COMMERCIAL NAME: CORTISOL, ALA-CORT, CLEITON, CREMESONE, COBADEX, CORT DOME
 MANUFACTURER: SIGMA
 MANUFACTURER REFERENCE: H-4001
 CHARGE NUMBER: 102F-0652
 FLS: HOR42027

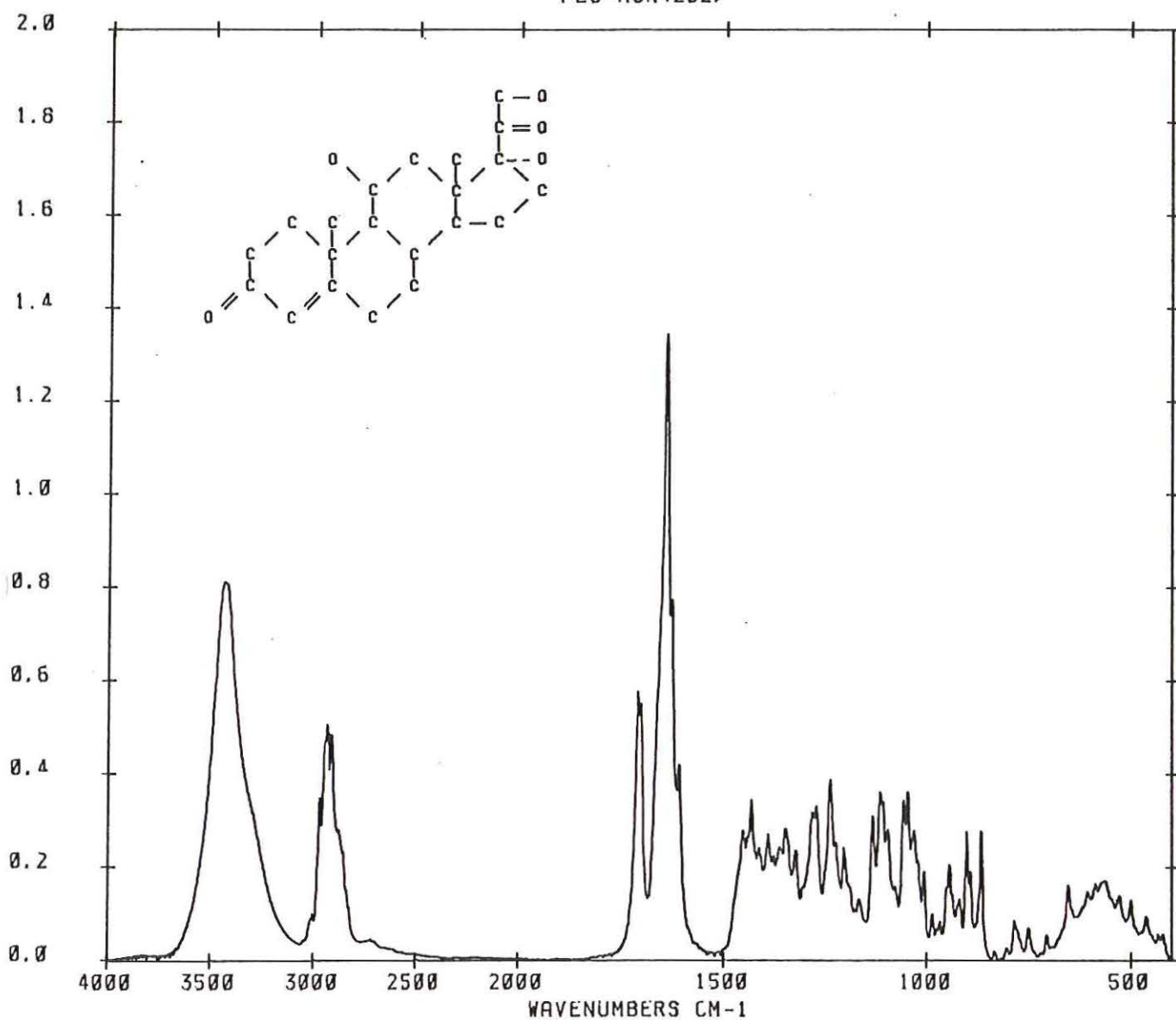
PEAK TABLE FILE : HOR42027

44 PEAKS.

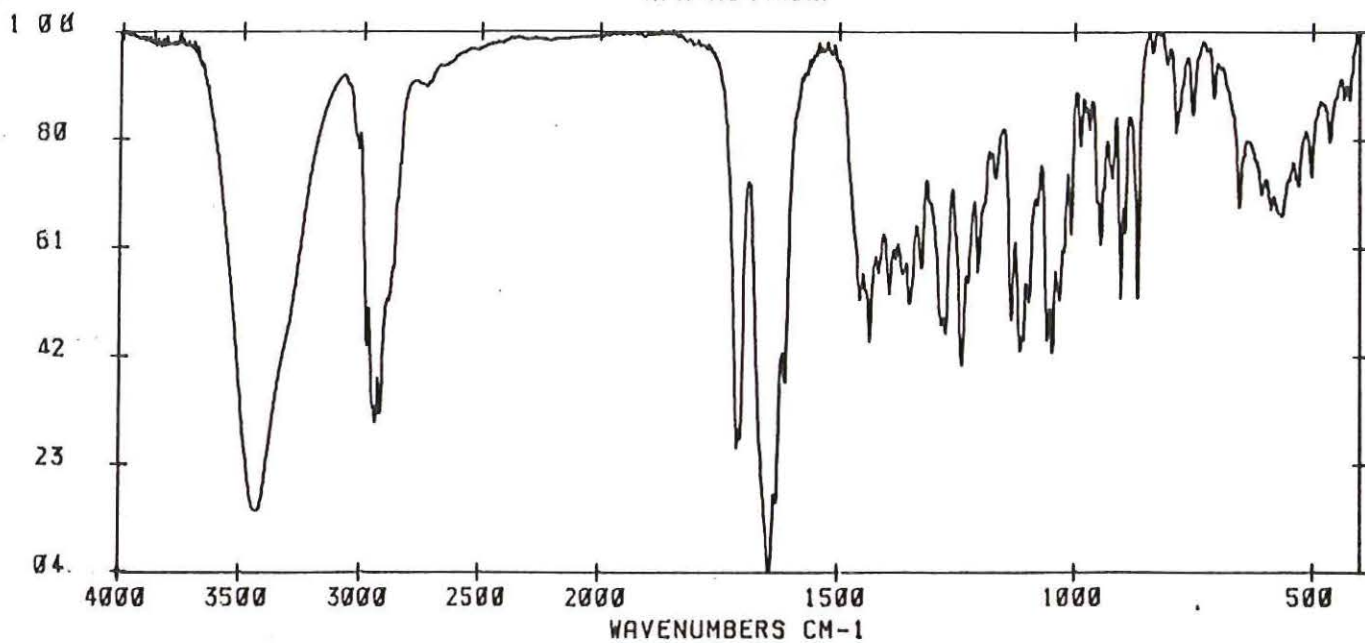
SENSITIVITY: 90

NO.	WAVE-NO.	REL. INTENSITY	WIDTH CM-1
1	462.891	6.93	12
2	500.500	9.52	16
3	526.538	10.22	15
4	561.255	12.69	75
5	602.722	10.93	29
6	648.047	11.97	14
7	700.122	3.99	10
8	745.447	5.12	12
9	781.128	6.31	18
10	831.274	1.22	8
11	865.027	20.54	9
12	891.064	14.15	11
13	899.744	20.50	9
14	917.102	9.64	24
15	942.175	15.13	20
16	966.284	6.8	14
17	985.571	7.24	11
18	1005.823	14.17	10
19	1031.860	20.70	40
20	1047.290	27.4	15
21	1057.898	25.46	14
22	1096.472	20.84	20
23	1114.795	26.80	32
24	1133.118	23.0	12
25	1165.906	9.59	29
26	1201.587	17.79	19
27	1237.268	28.80	19
28	1271.021	24.55	35
29	1322.131	17.43	20
30	1348.169	21.8	30
31	1391.565	20.11	21
32	1413.745	17.89	45
33	1432.068	25.64	18
34	1453.284	20.68	35
35	1610.474	31.13	15
36	1630.725	57.42	15
37	1644.226	100.0	23
38	1706.909	41.4	12
39	1713.660	42.84	15
40	2913.318	36.2	98
41	2926.819	36.22	15
42	2933.569	37.66	73
43	2971.179	26.1	21
44	3433.105	60.42	161

FLS=HOR42027



AFA=HOR42027



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45	Dienestrol-diacetate	HOR42005
43	Diethylstilbestrol	HOR42001
46	Diethylstilbestrol-dipropionate	HOR42004
15	Equilenin	HOR42055
14	Equilin	HOR42054
2	Estradiol-17 α	HOR42007
1	Estradiol-17 β	HOR42006
3	Estradiol-17-acetate	HOR42008
8	Estradiol-3-benzoate	HOR42009
4	Estradiol-diacetate	HOR42011
5	Estradiol-dipropionate	HOR42012
9	Estradiol-3-methylether	HOR42013
6	Estradiol-17-propionate	HOR42056
7	Estradiol-3-sulphate	HOR42010
13	Estriol	HOR42014
12	Estrone	HOR42015
10	Ethinylestradiol	HOR42016
33	Ethisterone	HOR42032
44	Hexestrol	HOR42002
49	Hydrocortisone	HOR42027
38	Medroxyprogesterone	HOR42018
39	Medroxyprogesterone-acetate	HOR42019
40	Megestrol-acetate	HOR42030
41	Melengestrol-acetate	HOR42103
11	Mestranol	HOR42031
25	Methyltestosterone-17 α	HOR42022
26	Methyltestosterone-D9(11)	HOR42049
28	Nortestosterone-17 α	HOR42100
27	Nortestosterone-17 β	HOR42021
30	Nortestosterone-decanoate	HOR42039
31	Nortestosterone-laurate	HOR42034
32	Nortestosterone-phenylpropionate	HOR42040
29	Nortestosterone-propionate	HOR42053
37	Progesterone	HOR42017
17	Testosterone-17 α	HOR42101
16	Testosterone-17 β	HOR42020
18	Testosterone-acetate	HOR42029
24	Testosterone-benzoate	HOR42033
21	Testosterone-decenoate	HOR42070
20	Testosterone-isocaproate	HOR42071
23	Testosterone-phenylpropionate	HOR42072
19	Testosterone-propionate	HOR42028
22	Testosterone-undecanoate	HOR42073
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34	Trenbolone-17 β	HOR42023
36	Trenbolone-acetate	HOR42102
47	Zeranol	HOR42025

Systematic index

<u>No.</u>	<u>Compound</u>	<u>Filename</u>
1	Estradiol-17 β	HOR42006
2	Estradiol-17 α	HOR42007
3	Estradiol-17-acetate	HOR42008
4	Estradiol-diacetate	HOR42011
5	Estradiol-17-propionate	HOR42056
6	Estradiol-dipropionate	HOR42012
7	Estradiol-3-sulphate	HOR42010
8	Estradiol-3-benzoate	HOR42009
9	Estradiol-3-methylether	HOR42013
10	Ethinylestradiol	HOR42016
11	Mestranol	HOR42031
12	Estrone	HOR42015
13	Estriol	HOR42014
14	Equilin	HOR42054
15	Equilenin	HOR42055
16	Testosterone-17 β	HOR42020
17	Testosterone-17 α	HOR42101
18	Testosterone-acetate	HOR42029
19	Testosterone-propionate	HOR42028
20	Testosterone-isocaproate	HOR42071
21	Testosterone-decanoate	HOR42070
22	Testosterone-undecanoate	HOR42073
23	Testosterone-phenylpropionate	HOR42072
24	Testosterone-benzoate	HOR42033
25	Methyltestosterone-17 α	HOR42022
26	Methyltestosterone-D9(11)	HOR42049
27	Nortestosterone-17 β	HOR42021
28	Nortestosterone-17 α	HOR42100
29	Nortestosterone-propionate	HOR42053
30	Nortestosterone-decanoate	HOR42039
31	Nortestosterone-laurate	HOR42034
32	Nortestosterone-phenylpropionate	HOR42040
33	Ethisterone	HOR42032
34	Trenbolone-17 β	HOR42023
35	Trenbolone-17 α	HOR42024
36	Trenbolone-acetate	HOR42102
37	Progesterone	HOR42017
38	Medroxyprogesterone	HOR42018
39	Medroxyprogesterone-acetate	HOR42019
40	Megestrol-acetate	HOR42030
41	Melengestrol-acetate	HOR42103

42	Dienestrol	HOR42003
43	Diethylstilbestrol	HOR42001
44	Hexestrol	HOR42002
45	Dienestrol-diacetate	HOR42005
46	Diethylstilbestrol-dipropionate	HOR42004
47	Zeranol	HOR42025
48	Corticosterone	HOR42026
49	Hydrocortisone	HOR42027